MIST NETS, GPS LOGGERS, BAT DETECTORS, CAMERA TRAPS & OTHER EQUIPMENT FOR FIELD BIOLOGISTS
– July 2013

We sell mist nets and rings only to licensed bird ringers on production of a Safring licence, or to customers with a permit from a provincial authority to catch bats, those associated with an academic institution whose projects have been approved by its ethics committee, or those who have authorisation from a recognised bat interest group.

How to order
Please note the codes of the items you want, then e-mail or phone us with your order and arrange how you want your parcel shipped. We will send you a pro-forma invoice with payment details. Your goods will be shipped when we receive confirmation of payment.

Products available by special shipment
Any item in the catalogue that we don't keep in stock can be supplied at short notice, but the customer will have to bear the costs of shipping and clearing the overseas parcel. Clients save considerably if special orders are shipped with our regular consignments.

MIST NETS, RINGS & RINGING ACCESSORIES

Recommended use of nets:

A	Sunbirds, warblers, other small passerines
B	Bulbuls, thrushes, other medium-sized passerines
C	Waders, small ducks (teals), small and medium terns
D	Medium and large waders, small owls and raptors
E	Medium and large ducks, owls and medium raptors
F	Large raptors, geese, cormorants, herons

All nets can be made in custom lengths and heights with the number and size of shelves that suit your special requirements.

Code	Mesh	Height	Length	Shelves	For	Price (R)
Hair Nets (thread made from fine mesh material)						
H-3	14x14	4	3	4	Bats	461,00
H-6	14x14	4	6	4		664,00
H-9	14x14	4	9	4		885,00
H-12	14x14	4	12	4		1 088,00
H-15	14x14	4	15	4		1 309,00
H-18	14x14	4	18	4		1 512,00
H-21	14x14	4	21	4		1 770,00

Code	Mesh	Height	Length	Shelves	For	Price (R)
Ultra-thin M series (0,08mm monofilament; nylon)						
M-14/2	14x14	2,4	2	4	A, Bats	369,00
M-14/3	14x14	2,4	3	4		424,00
M-14/6	14x14	2,4	6	4		572,00
M-14/9	14x14	2,4	9	4		719,00
M-14/12	14x14	2,4	12	4		867,00
M-14/15	14x14	2,4	15	4		1 014,00
M-14/18	14x14	2,4	18	4		1 180,00
M-14/21	14x14	2,4	21	4		1 328,00
M-20/3	20x20	2,4	3	4	Bats	406,00
M-20/6	20x20	2,4	6	4		553,00
M-20/9	20x20	2,4	9	4		682,00
M-20/12	20x20	2,4	12	4		830,00
M-20/15	20x20	2,4	15	4		977,00
M-20/18	20x20	2,4	18	4		1 088,00
M-20/21	20x20	2,4	21	4		1 235,00
Series 700P (75d/2 ply; polyester)						
716/3P	16x16	2,5	3	5	A, Bats	466,00
716/6 P	16x16	2,5	6	5		689,00
716/7 P	16x16	2,5	7	5		735,00
716/9 P	16x16	2,5	9	5		885,00
716/10 P	16x16	2,5	10	5		975,00
716/12 P	16x16	2,5	12	5		1 125,00
716/15 P	16x16	2,5	15	5		1 334,00
716/18 P	16x16	2,5	18	5		1 484,00
Series 700 (70d/2 ply; nylon)						
716/3	16x16	2,5	3	5	A	376,00
716/6	16x16	2,5	6	5		540,00
716/7	16x16	2,5	6	5		616,00
716/9	16x16	2,5	9	5		719,00
716/10	16x16	2,5	10	5		779,00
716/12L	16x16	1	12	2		480,00
716/12	16x16	2,5	12	5		885,00
716/15	16x16	2,5	15	5		1 079,00
716/18	16x16	2,5	18	5		1 245,00
719/3	19x19	3	3	5	B	376,00
719/6	19x19	3	6	5		540,00
719/7	19x19	3	7	5		600,00
719/9	19x19	3	9	5		706,00
719/10	19x19	3	10	5		765,00
719/12L	19x19	1.2	12	2		480,00
719/12	19x19	3	12	5		869,00
719/15	19x19	3	15	5		1 035,00
719/18	19x19	3	18	5		1 199,00
730/9	30x30	3.2	9	4	Bats, B, C	629,00
730/10	30x30	3.2	10	4		676,00
730/12	30x30	3.2	12	4		779,00
730/15	30x30	3.2	15	4		915,00
730/18	30x30	3.2	18	4		1 049,00

Code	Mesh	Height	Length	Shelves	For	Price (R)
Series 1000 (110d/2 ply; nylon)						
1016/3	16x16	2,5	3	5		443,00
1016/6	16x16	2.5	6	5		590,00
1016/7	16x16	2.5	7	5		646,00
1016/9	16x16	2.5	9	5	A, B	756,00
1016/10	16x16	2.5	10	5		811,00
1016/12	16x16	2.5	12	5		904,00
1016/15	16x16	2,5	15	5		1 070,00
1016/18	16x16	2.5	18	5		1 217,00
1019/6	19x19	3	6	5		590,00
1019/7	19x19	3	7	5		646,00
1019/9	19x19	3	9	5		756,00
1019/10	19x19	3	10	5	B, C	793,00
1019/12	19x19	3	12	5		885,00
1019/15	19x19	3	15	5		1 051,00
1019/18	19x19	3	18	5		1 199,00
1022/12L	22x22	1.6	12	2		590,00
1022/12	22x22	3.2	12	4	C, D	941,00
1022/18L	22x22	1.6	18	2		756,00
1022/18	22x22	3.2	18	4		898,00
Series 1000 (110d/2 ply; nylon)						
1030/12L	30x30	1.6	12	2		590,00
1030/12	30x30	3.2	12	4		885,00
1030/15	30x30	3.2	15	4	D	1 070,00
1030/18L	30x30	1.6	18	2		738,00
1030/18	30x30	3.2	18	4		1 217,00
1045/12	45x45	3.4	12	4	D, E	867,00
1045/18	45x45	3.4	18	4		1 162,00
Series 2000 (210d/2ply; nylon)						
2019/12	19x19	2.1	12	3	C, D	1 162,00
2019/18	19x19	2.1	18	3		1 641,00
2030/12L	30x30	1.5	12	2		719,00
2030/12	30x30	3.2	12	4	D, E	1 143,00
2030/18	30x30	3.2	18	4		1 586,00
2045/12	45x45	3.2	12	4	D, E	1 033,00
2045/18	45x45	3.2	18	4		1 420,00
2070/21	70x70	3.2	21	4	F	1 457,00

CUSTOM NETS

We make custom nets in almost any size and configuration. Here are a few examples. Because of the way the material is cut, these orders usually have to be placed for pairs of nets (marked **) or lots of three (marked ***). Delivery time is usually three weeks.

Code	Mesh	Height	Length	Shelves	For	Price (R)
716/12PL	16x16	1,5	12	3	A	911,00
1016/12L	16x16	1,0	12	2	A, B	530,00
2045/9**	45x45	3.2	9	4		683,00
2045/12L**	45x45	1,6	12	2	D, E	420,00
2045/18L**	45x45	1,6	18	2		858,00
2070/18L**	70x70	1,6	18	2		775,20
2070/50L**	70x70	1.6	50	2	F	2 185,20
2070/70LL***	70x70	1,2	70	1		1 521,60
2070/70L**	70x70	1.6	70	2		3 069,60

MIST NETTING ACCESSORIES

Code	Description	Price (R)
Pole 345	Telescopic fibreglass poles for mist nets; folded length 96cm, extended length 3,46m, weight 980g	527,00
Pole Set A	Two quick set-up 6mm bungee-cord guys and four solid 30cm pegs for mist nets up to 15m, in cotton bag	259,00
Pole Set B	Two quick set-up 8mm bungee-cord guys and four solid 30cm pegs for heavy mist nets longer than 15m, in cotton bag	307,00
BagMNP	Heavy-duty carry bag for Ecotone's telescopic poles, grey-green with black straps,140cm long x 18cm wide, holds four poles	259,00

RINGING PLIERS

Code	Description	Price (R)
PliersSM	Five-hole stainless steel pliers for metal rings ≤ 7mm	591,00
PliersLG	Twin-hole stainless steel pliers for metal rings > 7mm	598,00
CirclSM	Circlip pliers for applying 2,5mm to 7mm colour rings or for opening misapplied small metal rings	120,00
CirclMD	Circlip pliers for applying 8mm to 14mm plastic colour rings or for opening misapplied medium metal rings	120,00
CirclLG	Circlip pliers to apply >14mm acrylic colour rings or for opening misapplied large metal rings	175,00
CirclFine	Top-quality German-made circlip pliers with strong, graduated, fine tips to remove misapplied small metal rings. Even incoloy and stainless rings don't break or bend tips.	375,00

CALLIPERS

Code	Description	Price (R)
MEASY	Swiss Measy clock dial callipers, 150mm, 0,1mm accuracy	571,00
MEASY DG	Swiss Measy right-handed digital callipers, 150mm, 0, 1mm accuracy	973,00
MEASY DGL	Swiss Measy left-handed digital callipers, 150mm, 0,1mm accuracy	1 063,00

RULERS

Code	Description	Price (R)
Rule150stop	150mm metal wing rule with stop	145,00
Rule300stop	300mm metal wing rule with stop	167,00
RuleMetTail	150mm unstopped tail rule	20,00

VISORS

Code	Description	Price (R)
DA3	OptiVisor magnifier; adjustable leather headband; 1.75x ground prismatic optical glass binocular lenses; 35cm focal length; lens plate pivots up when not in use; can be worn over glasses; replaceable lenses	559,00
DA5	As DA3, but 2,5x magnification at 20cm focal length	559,00
LP2	1,5x magnification, 50cm focal length; replacement ground optical lens	415,00
LP3	1,75x magnification, 35cm focal length; replacement ground optical lens	350,00
LP4	2x magnification, 25cm focal length; replacement ground optical lens	365,00
LP5	2,5x magnification, 20cm focal length; replacement ground optical lens	430,00
LP7	2,75x magnification, 15cm focal length; replacement ground optical lens	410,00
LP10	3,5x magnification, 10cm focal length; replacement ground optical lens	448,00
DALight	6-LED lighting system for visor; 2xAA batteries	588,00
DALoupe	2,5X monocular loupe add-on; opthalmic glass lens; mounts either side of headband; flips out of way when not in use	250,00

BIRD BAGS

Code	Description	Price (R)
BirdBagSM	15x20 cm, 10 pcs a set. Drawstring & toggle. Color: cammo or bright	230,00
BirdBagMD	20x25 cm, 10 pcs a set. Drawstring & toggle. Color: cammo or bright	320,00
BirdBagLG	25x30 cm, 10 pcs a set. Drawstring & toggle. Color: cammo or bright	410,00

RINGS

BAT RINGS

Code	Description	Price (R) per 100
BAT-2	2,9mm, steel or aluminium, engraved to order, minimum order of 300	508,00
BAT-3	3,5mm, steel or aluminium, engraved to order, minimum order of 300	525,00
BAT-4	4,2mm, steel or aluminium, engraved to order, minimum order of 300	544,00
BAT-5	5,2 mm, steel or aluminium, engraved to order, minimum order of 300	560,00

RODENT EAR TAGS

Rodent ear tags: suitable for small mice to large rats; self-piercing and locking; made from monel, an alloy of copper and nickel, to resist corrosion yet be ductile enough to apply easily. Highly visible laser-etched black numbers stand out sharply against the silver tags.

Code	Description	Price (R) per 100
Rodent-1	Lots of 100 consecutive numbers	1 081,00
Rodent-Aplctr	Spring-loaded stainless steel applicator for monel ear tags	991,00

COLOUR RINGS

Our colour rings in red, yellow, orange, black, white, green, blue, purple, grey, brown and beige are made of multi-layered, UV-, temperature- and impact-resistant acrylic (polymethyl methacrylate or PMMA). These rings are most easily applied with circlip pliers, which we stock in three sizes. The rings can be sealed with a drop of super glue on species with strong bills. Special sizes available, as well as oval, triangular and custom shapes.

Code	Description	Price (R) per 10
401/5	1.8mm,2.0mm, 2.3mm. 2.5mm, 2.6mm, 2.7mm, 2.8mm, 2.9mm, 3.3mm, 3.5mm, 3.8mm, 4.2mm, 4.3mm, 4.5mm, 5.0mm	36,00
401/9	5.5mm, 6.0mm, 6.5mm, 7.0mm, 8.0mm, 9.0mm	55,00
401/13.5	10.0mm, 11.0mm, 11.5mm, 12.0mm, 12.5mm, 13.0mm, 13.5mm	93,00
401/20	14.0mm, 15.0mm, 16.0mm, 17.0mm, 18.0mm, 19.0mm, 20.0mm	121,00
401/20+	22.0mm, 24.0mm, 25.0mm, 28.0mm, 30.0mm	374,00

ENGRAVED COLOUR RINGS, TAGS, SADDLES & COLLARS

Engraved colour rings, leg tags, saddles and collars made to order from durable UV-resistant materials in a wide range of colours. Minimum size of engraved rings: 2 mm inside diameter and 4 mm height, suitable for most small passerines. Please contact us to discuss your needs.

Code	Description	Price (R) per 10
EN401/5	1.8mm,2.0mm, 2.3mm. 2.5mm, 2.6mm, 2.7mm, 2.8mm, 2.9mm, 3.3mm, 3.5mm, 3.8mm, 4.2mm, 4.3mm, 4.5mm, 5.0mm	64,00
EN401/9	5.5mm, 6.0mm, 6.5mm, 7.0mm, 8.0mm, 9.0mm	154,00
EN401/13.5	10.0mm, 11.0mm, 11.5mm, 12.0mm, 12.5mm, 13.0mm, 13.5mm	call for quote
EN401/20	14.0mm, 15.0mm, 16.0mm, 17.0mm, 18.0mm, 19.0mm, 20.0mm,	275,00
EN401/20+	22.0mm, 24.0mm, 25.0mm, 28.0mm, 30.0mm	call for quote

DIGITAL SCALES & BALANCES

AUTOMATED PERCH SCALES WITH LOGGER & OPTIONAL CAMERA(S), WEATHER STATION

Perch scales are designed to weigh wild birds unattended in the field. These scales automatically compensate for wind and the bird's shuffling on the perch. They reset when a bird flies and can immediately weigh the next visitor. Perch scales allow researchers to record weights in natural conditions over a season without any stress on the subjects, opening possibilities otherwise limited by repeatedly catching and weighing wild birds or by the presence of an observer. The scales can be linked to one or more cameras that take an identifying photograph as each new bird is weighed, or linked to a logger with inputs such as weather and environmental data.

Model	PS0.3	PS0.6	PS1.5	PS3	PS6	PS15
Maximum load	300g	600g	1500g	3000g	6000g	15kg
Resolution	0,1g	0,2g	0,5g	1g	2g	5g
Tare range	-300g	-600g	-1500g	-3000g	-6000g	-15kg

Code	Description	Price (R)
PS-(Model No.)	Automated perch scales, built to order with customer options; wind filter; animal weighing program evens out movement on perch; can be calibrated in field; 4- 6-week delivery	~6 000,00

DIGITAL HANGING SCALES

Code	Description	Price (R)
BV1	Digital hanging scale; capacity 1kg, resolution 1g, accuracy 2g; 2xAAA batteries; 10-year warranty	305,00
BV5	Digital hanging scale; capacity 5kg, resolution 5g, accuracy 10g; 2xAAA batteries; 10-year warranty	315,00
BV20	Digital hanging scale; capacity 20kg, resolution 20g, accuracy 40g; 2xAAA batteries; 10-year warranty	315,00
HS030	Digital hanging scale; capacity 30kg, accuracy 20g, 1m measuring tape in cover; 2xCR2032 batteries	854,00
HS050	Digital hanging scale; capacity 50kg, accuracy 20g, 1m measuring tape in cover; 2xCR2032 batteries	980,00

DIGITAL SCALES

Code	Description	Price (R)
PTS3000	Pesola high-end compact digital platform scale, capacity 3000g, 0,1g resolution, 0,2g accuracy; full-range tare; stability indicator; low-battery signal, auto switch off, overload indicator; 4xAA batteries or AC; 14x14cm pan; 20x15,4x3,2cm; 672g with batteries; backlit 12mm LCD; 2-year warranty; Calibrate with 2000g weight. Ideal flexible general-use scale for most bird ringers.	1 844,00
ES-445/100	Mini scale; capacity 100g, 0,01g accuracy, full- range tare; 72x36x12mm; 32g; 1xCR2032 battery	220,00
ES-445/150	Mini scale; capacity 150g, 0,1g accuracy, full-range tare; 72x36x12mm; 32g; 1xCR2032 battery	217,00
ES-451/500	Mini scale; capacity 500g, 0,1g accuracy, full-range tare; 103x66x18mm; 35g; 2xAAA batteries	254,00
CL-201	OHAUS; capacity 200g, 0,1g accuracy, 3xAA batteries	965,00
CL-2000	OHAUS; capacity 2000g, 1,0g accuracy, 3xAA batteries	965,00
CL-5000	OHAUS, capacity 5000g, 2,0g accuracy, 3xAA batteries	965,00
PPS200	PESOLA pocket scale; capacity 200g, 0,01g accuracy, precision ± 0.02g, 2xAAA batteries	1 141,00
MS 500	PESOLA pocket scale; capacity 500g, 0,1 g accuracy, precision ± 0.1g, 2xAAA batteries. Stainless steel pan	call
MS 1000	PESOLA pocket scale; capacity 1000g, 0,2 g accuracy, precision ± 0.2g, 2xAAA batteries	925,00

CALIBRATION WEIGHTS

Precise digital readouts often leave field workers with a false sense of security in their results. Digital scales and balances are sensitive devices that are inevitably bumped, jiggled and abused in the field. We recommend that you check digital scales and balances regularly and recalibrate them if the results don't tally exactly with the test weights. We provide a wide range of calibration weights suitable for the digital scales and balances we sell. Contact us if the calibration weights you need are not listed in the catalogue.

Code	Description	Price (R)
BVCalibSet50	Boxed calibration weights with tweezers: 1x50g, 2x20g, 1x10g, 1x5g, 1x2g, 1x1g, 1x500mg, 1x200mg, 1x100mg, 1x50mg, 2x20mg, 1x10mg; <0,03%	225,00
BVCalibSet100	Boxed calibration weights with tweezers:1x100g, 1x50g, 2x20g, 1x10g, 1x5g, 2x2g, 1x1g, 1x500mg, 2x200mg, 1x100mg, 1x50mg, 2x20mg, 1x10mg; <0,03%	239,00
BVCalibSet500	1x500g, 1x200g, 1x100g, 1x50g. <0,03%	393,00
BVCalib50	50g calibration weight	24,00
BVCalib100	100g calibration weight	47,00
BVCalib200	200g calibration weight	93,00
BVCalib500	500g calibration weight	232,00
BVCalib1000	1000g calibration weight	554,00

A&D RUGGED FIELD SCALES AND BALANCES, SERVICED IN SOUTH AFRICA

Code	Description	Price (R)
HL-200t	A&D HL 200g; 0,1g resolution & repeatability; 13,5mm LCD; tare, overload, auto power off, stable indicator; 130mm^2 pan; AC or 4AAbatteries, ~1000 hours; 130x192x51mm; 500g; needs 200g calibration weight; 1 year warranty	601,00
HL-20001	A&D HL 2000g; 1g resolution & repeatability; 13,5mm LCD; tare, overload, auto power off, stable indicator; 130mm^2 pan; AC or 4AAbatteries, ~1000 hours; 130x192x51mm; 500g; 2000g calibration weight; 1 year warranty	852,00
EJ-120i	A&D EJ 120g; 0,01g resolution & repeatability; 16mm LCD; tare, auto power off, stable indicator; 110mm^2 pan; AC or 4xAA batteries, ~70hrs; 208x190x59mm; 850g; needs 100g calibration weight; 2-year warranty	2 927,00
EJ-200i	A&D EJ 210g; 0,01g resolution & repeatability; 16mm LCD; tare, auto power off, stable indicator; 110mm2 pan; 4xAA batteries, ~70hrs; 208x190x59mm; 850g; needs 200g calibration weight; 2-year warranty	3 178,00
EJ-300i	A&D EJ 310g; 0,01g resolution & repeatability; 16mm LCD; tare, auto power off, stable indicator; 110mm2 pan; AC or 4xAA batteries, ~70hrs; 208x190x59mm; 850g; needs 300g calibration weight; 2-year warranty	3 429,00
EJ-410i	A&D EJ 410g; 0,01g resolution & repeatability; 16mm LCD; tare, auto power off, stable indicator; 110mm2 pan; AC or 4xAA batteries, ~70hrs; 208x190x59mm; 850g; needs 400g calibration weight; 2-year warranty	3 679,00
EJ-610i	A&D EJ 610g; 0,01g resolution & repeatability; 16mm LCD; tare, auto power off, stable indicator; 110mm2 pan; AC or 4xAA batteries, ~70hrs; 208x190x59mm; 850g; needs 600g calibration weight; 2-year warranty	3 930,00
EJ-1500i	A&D EJ 1500g; 0,1g resolution & repeatability, 16mm LCD; tare, auto power off, stable indicator; 110mm2 pan; AC or 4xAA batteries, ~70hrs; 208x190x59mm; 850g; needs 1500 calibration weight; 2-year warranty	2 927,00
EJ-2000i	A&D EJ 2100g; 0,1g resolution & repeatability, 16mm LCD; tare, auto power off, stable indicator; 110mm2 pan; AC or 4xAA batteries, ~70hrs; 208x190x59mm; 850g; needs 2000 calibration weight; 2-year warranty	3 178,00
EJ-3000i	A&D EJ 3100g 0,1g resolution & repeatability, 16mm LCD; tare, auto power off, stable indicator; 110mm2 pan; AC or 4xAA batteries, ~70hrs; 208x190x59mm; 850g; needs 3000 calibration weight; 2-year warranty	3 429,00
EJ-4100i	A&D EJ 4100g: 0,1g resolution & repeatability, 16mm LCD; tare, auto power off, stable indicator; 110mm2 pan; AC or 4xAA batteries, ~70hrs; 208x190x59mm; 850g; needs 4000 calibration weight; 2-year warranty	2 679,00
EJ-6100i	A&D EJ 6100g: 0,1g resolution & repeatability, 16mm LCD; tare, auto power off, stable indicator; 110mm2 pan; AC or 4xAA batteries, ~70hrs; 208x190x59mm; 850g; needs 6000 calibration weight; 2-year warranty	3 930,00
EJ-02	Fast USB interface	852,00
EJ-03	RS232 interface	533,00
EJ-07	Underhook for EJ-3000, EJ-4100, EJ-6100	715,00
EJ-08	Underhook for EJ-1500, EJ-2000	715,00
EJ-11	Breeze-break wind cover	715,00
EJ-12	Hard carry case, recommended for field use	978,00
EJ-13	Density determination kit for EJ-120, EJ-200, EJ300, EJ-410, EJ610	784,00
EJ-RS232	RS232 cable, balance to PC or logger	294,00
EJ-DotMat	Dot matrix printer, ribbon & power adapter	3 007,00
EJ-PrntCable	RS232 printer cable	385,00
EJ-LoAdap	AC power adapter	328,00
EJ-DataLog	Data logger for EJ series. USB to computer, RS232 to scale; 5000 records; IP65 weatherproof, internal clock; 55×103×16,5 mm; 60g	2 802,00

SPRING SCALES

PESOLA SPRING BALANCES

Code	Description	Price (R)
10010	PESOLA Light Line 10g/0,1g accuracy	535,00
10020	PESOLA Light Line 20g/0,2g accuracy	517,00
10050	PESOLA Light Line 50g/0,5g accuracy	517,00
10100	PESOLA Light Line 100g/1,0g accuracy	517,00
10500	PESOLA Light Line 500g/5,0g accuracy	517,00
11000	PESOLA Light Line 1000g/10,0g accuracy	487,00
20010	PESOLA Micro Line 10g/0,1g accuracy	654,00
20030	PESOLA Micro Line 30g/0,25g accuracy	609,00
20060	PESOLA Micro Line 60g/0,5g accuracy	609,00
20100	PESOLA Micro Line 100g/1g accuracy	609,00
40300	PESOLA Medio Line 300g/2g accuracy	700,00
40600	PESOLA Medio Line 600g/5g accuracy	700,00
41000	PESOLA Medio Line 1000g/10g	700,00
42500	PESOLA Medio Line 2500g/20g accuracy	730,00
43000	PESOLA Medio Line Special 3000g/20g accuracy	791,00
80005	PESOLA Macro Line 5kg/50g accuracy	1 369,00
80010	PESOLA Macro Line 10kg/100g accuracy	1 384,00
80020	PESOLA Macro Line 20kg/200g accuracy	1 415,00
80035	PESOLA Macro Line 35kg/500g accuracy	1 460,00
80050	PESOLA Macro Line 50kg/500g accuracy	1 689,00
3.602	Crocodile clamp with eye-clip for Micro and Medio lines	26,00
3.601	Clip with bow for Light line	28,00
3.605	Hook with eye-clip for Micro and Medio lines	32,00
3.655	Bird weighing cones (set of 5)	338,00
4.004	Pressure set, converts Medio Line to measure pressure	470,00
8.004	Pressure set, converts Macro Line to measure pressure	460,00
3.20050	Calibration weight, 50g	181,00
4.012	Drag pointer for Medio line	17,00
8.132	Drag pointer for Macro line	80,00

NO-NAME SPRING SCALES

Code	Description	Price (R)
Pen100	Pen-style spring scale 100g/0,1g readability	98,00
Pen10	Pen-style spring scale 10g/0,01g readability	98,00

OPTICS:TRAIL CAMERAS, BINOCULARS, TELESCOPES, ENDOSCOPES, MICROSCOPES, TORCHES AND LIGHTING

TRAIL CAMERA TRAPS

Code	Description	Price (R)
HE-20	2 megapixels; f3.0 55° lens; 55° IR trigger; ~1 sec trigger delay; 10m IR flash	1 488,00
HE-30	3,1 megapixels; f2.8 52° lens; 48° IR trigger; ~1s trigger delay; 10m IR flash	2 105,00
HE30-Sol	Solar battery-charging panel for HE-30 digital trail cameras	745,00
HE-50	4.0 megapixels; f3.0 55° lens; 60° IR trigger;0,9 sec trigger delay; 15 IR LEDs for 10m IR flash; native 5Mp (2560x1920px) or 3Mp (1800x1200) stills; 640x480 30fps video; 4xAA batteries for ~200 working days; 6V external; mini 122x82x41mm	1 955,00
BEV-MC	Micro full-featured Ltl Acorn 6210 trail camera trap; 12 megapixel interpolated (4000x3000 pixels), native 5Mp (2560x1920px) or 3Mp (1800x1200) stills in bursts of 1-3 frames; 16,7m colours; 0,8s trigger delay (with 2GB cards, ≥ 1sec with 32GB cards); HD video 1440x1080 @15 fps, 1280x720 @ 30 fps, 640x480 @ 30 fps; f3.1 52° field-of-view lens; 1s-24h time lapse & 0sec-60min interval timer; configurable operating schedule; motion sensors 100° or 35°, three-level sensitivity, 25m range; red IR flash to 25m or 940nm invisible black flash to 13m variants; still & video optional off single trigger; keypad; 40,8x30,6mm, 960x240 16,7m colour LCD; 85mmx141mmx70mm; 240g; 4, 8 or 12 AA batteries (~6 months standby); 6V external; USB cable; mounting strap; TP54 waterproof; operates in -30C to 70C; FCC, CE, ROHS certified.	3 002,00
BEV-MM	All the features of the BEV-MC with cellular remote control of camera: downloads stills and movie clips, camera sends e-mail warning of low battery	4 772,00
BEV-MMX	Bev-MM with external antenna, providing about 50 percent stronger cellphone signal reception	4 852,00
BEV-MMS	MMS remote cellular module and battery pack to upgrade BEV-MC to features of the BEV-MM, cell signal strength on screen with other e-mailing functions	1 861,00
BEV-Solar	Solar-powered rechargeable lithium battery pack for BEV-M line of cameras, good for at least a year of unattended use	622,00
BEV-Box	Lockable steel security box protects BEV-M series cameras from elements, theft and damage. Includes adjustable mounting bracket. All-steel construction with vents to drain water.	675,00

ENDOSCOPES

Code	Description	Price (R)
Endo-micro	Check nests, bat boxes, roosts and burrows with lightweight micro endoscope inspection camera; choice of replaceable camera heads; adjustable LEDs light subject; waterproof; AVI and JPG output; 90cm cable. Options: still and video recording; extension cables; IR lighting and sensor	~5200

TORCHES, LAMPS & LIGHTING

Code	Description	Price (R)
ScorpionUV10m	9 LED 390-400nm UV, 10m beam; heavy aluminium body; 3 AAA batteries, 5-hour life. Detect scorpions; examine & ID rocks and minerals; UV photography	89,00
Worklight40m	48 LED 225 lumen worklight. 40m beam; shock- & rain-proof; rugged powder-coated steel body; swivel stand; 2400mAh rechargeable Li-ion battery; overcharge-discharge protection; 8hr charge=4hr use; also operates from external AC or 12V DC	499,00
Floodlight100m	9 high-power LED 1600 lumen floodlight; 100m 120° beam; shock- & rain-proof; cast aluminium body; 12V car socket jack & 5m coiled cable; magnetic mount or fixed; 630g; 3000K; input: 11-36V DC, 1.5A @ 13,6V	999,00
Torch900m	High-power 900 lumen 480m beam 1,6hr/charge; 200 lumens = 2,5hrs; 40 lumens=20hrs; strobe & SOS; Li-ion battery; 3-4hr charging time; 240g; 160mm	599,00

BINOCULARS & TELESCOPES

We offer an extensive line of Ecotone (Kamakura) and Kowa binoculars and telescopes, field and laboratory microscopes, endoscopes and trail camera traps, as well as their accessories, digiscoping requirements and tripods. Please contact us to discuss your needs.

ECOTONE BINOCULARS

Code	Brand	Manufacturer	Description	Weight (g)	Minimum focus (m)	Price (R)
AD-7 10x42	ECOTONE	Kamakura	10x42	680	1,9	4 873,00
AD-7 10x50	ECOTONE	Kamakura	10x50	810	3	4 932,00
MR-3 8x42	ECOTONE	Kamakura	8x42	875	1,6	9 884,00
MR-3 10x42	ECOTONE	Kamakura	10x42	895	1,6	10 424,00
LD-II 9x63	ECOTONE	Kamakura	9x63	1250	13	5 452,00
QD-7 8x28	ECOTONE	Kamakura	8x28	390	3	2 616,00
QD-7 10x28	ECOTONE	Kamakura	10x28	390	3	2 736,00
WP-2 10x50	ECOTONE	Kamakura	10x50	1020	3,5	2 896,00

KOWA BINOCULARS

Code	Model	Features	Description	Weight (g)	Minimum focus (m)	Price (R)
Genesis 33-8	Genesis XD33	Prominar	8x33	590	1,5	15 555,00
Genesis 33-10	Genesis XD33	Prominar	10x33	590	1,5	16 434,00
XD44-10.5	Genesis XD44	Prominar	10,5x44	965	1,7	18 530,00
XD44-8.5	Genesis XD44	Prominar	8,5x44	950	1,7	17 133,00
BD25-8GR	DCF	C3	8x25	300	1,8	3 495,00
BD25-10GR	DCF	C3	10x25	300	1,8	3 774,00
BD42-10GR	BD42	BAK4	10x42	745	2	8 487,00
BD42-8GR	BD42	BAK4	8x42	730	2	8 107,00
BD32-10	BD32	phase-coated	10x32	565	1,5	7 488,00
BD32-8	BD32	phase-coated	8x32	560	1,5	7 089,00

TELESCOPES

Code	Description	Price (R)
SP-8345	ECOTONE SP-80 spotting scope, made by Kamakura; rubber-coated, composite-magnesium, nitrogen-filled waterproof body; high-resolution ED lens; high-resolution BAK4 prisms; 1,7kg; 5-year warranty	11 062,00
SP-20-60	20-60x eyepiece for ECOTONE SP-80 spotting scope	4 274,00
SP-22	22x eyepiece for ECOTONE SP-80 spotting scope	1 997,00
SP-30	30x eyepiece for ECOTONE SP-80 spotting scope	1 997,00
SP-cover	Eyepiece cover for ECOTONE SP-80 spotting scope	160,00
SP-case	Stay-on case for ECOTONE SP-80 spotting scope	600,00
Dig.Ad.28/37/52	Universal digiscoping attachment for compact cameras, 21- 43mm eyepiece	1 664,00
SP-FOTO	SLR adapter, transforms scope into 1000mm F/13 lens	1 518,00
TSPK	SP-FOTO adapters for Canon, Nikon, Pentax, Minolta, Olympus	420,00

KOWA TELESCOPES

We also carry a vast range of accessories for Kowa spotting scopes, including everything you need for digiscoping and for use with a DSLR camera, from brackets and mounts to lens adapters and balance plates. Please call to discuss unlisted equipment.

Code	Description	Price (R)
TSN-82SV	Angled nitrogen-filled, waterproof, rubber-coated metal alloy & carbon fibre body; 360° rotating base; 82mm objective, lenses & prisms multicoated; 6m min focus; 1,48kg; 383mm; lifetime warranty	12 178,00
TSN-884	Prominar; straight; nitrogen-filled waterproof magnesium body; 88mm objective, fluorite lens, lenses & prisms multicoated; dual coarse & fine focus; min focus 5m; top-rated colour, brilliance and sharpness; 1520g; 343mm long, sliding armoured sunshade. Rated best birding scope by Cornell Labs. Lifetime warranty	35 940,00
TSN-883	Prominar; angled; nitrogen-filled waterproof magnesium body; 88mm objective, fluorite lens, lenses & prisms multicoated; dual coarse & fine focus; min focus 5m; top-rated colour, brilliance and sharpness; 1520g; 343mm long, sliding armoured sunshade. Rated best birding scope by Cornell Labs. Lifetime warranty	35 940,00
TSN-774	Prominar XD; straight; nitrogen-filled waterproof magnesium body; 77mm objective, fluorite lens, lenses & prisms multicoated; dual coarse & fine focus; min focus 5m; top-rated colour, brilliance and sharpness; 1330g; 318mm long, sliding armoured sunshade. Rated one of best birding scopes by Cornell Labs. Lifetime warranty	29 702,00
TSN-773	Prominar XD; angle; nitrogen-filled waterproof magnesium body; 77mm objective, fluorite lens, lenses & prisms multicoated; dual coarse & fine focus; min focus 5m; top-rated colour, brilliance and sharpness; 1330g; 318mm long, sliding armoured sunshade. Rated one of best birding scopes by Cornell Labs. Lifetime warranty	29 702,00
TSN-664	Prominar straight; nitrogen-filled waterproof, polycarbonate body; 66mm lobjective; ED + fluorite, lenses & prisms multicoated; built-in sliding lenshood; 360° rotating base; lifetime warranty	16 224,00
TSN-663	Prominar angled; nitrogen-filled, waterproof, polycarbonate body; 66mm objective; ED & fluorite, lenses & prisms multicoated; built-in sliding lenshood; 360° rotating base; lifetime warranty	16 224,00
TSN-662	Straight; nitrogen-filled waterproof, polycarbonate body; 66m objective, lenses & prisms multicoated; 360° rotating base; built-in sliding lenshood,	10 205,00
TSN-661	Angled; nitrogen-filled waterproof, polycarbonate body; 66m objective, lenses & prisms multicoated; 360° rotating base; built-in sliding lenshood	10 205,00
TSN-603	Prominar; angled; nitrogen-filled waterproof polycarbonate body; 60mm objective; ED & fluorite, lenses & prisms multicoated; built-in sliding lenshood; 360° rotating base; lifetime warranty	13 557,00
TSN-602	Straight; nitrogen-filled waterproof, polycarbonate body, 735g; 60mm objective; lenses & prisms multicoated; min focus 6m; built-in sliding lenshood; 360° rotating base; 299mm long; lifetime warranty	8 359,00
TSN-601	Angled; nitrogen-filled waterproof, polycarbonate body, 735g; 60mm objective; lenses & prisms multicoated; min focus 6m; built-in sliding lenshood; 360° rotating base; 299mm long; lifetime warranty	8 359,00
TSE-Z9B	20-60x zoom eyepiece for 601,602, 603, 661, 662, 663, 664 & 82SV	5 135,00
TSE-14WD	30x fixed focus eyepiece for 66mm scopes	4 095,00
TSE-21WE	21x fixed focus eyepiece for 82mm scopes	3 819,00
TE-10Z	20-60x zoom eyepiece for 77mm & 88mm scopes	9 951,00
TE-20H	25x fixed focus eyepiece for 77mm & 88mm scopes	4 392,00
TE-17W	30x fixed focus eyepiece for 77mm & 88mm scopes	5 580,00

KOWA TELESCOPE COVERS

Code	Description	Price (R)
C-601	60mm angled, neoprene stay-on style, hand carry strap	911,00
C-602	60mm straight, neoprene stay-on style, hand carry strap	911,00
C-661	66mm angled, neoprene stay-on style, hand carry strap	934,00
C-662	66mm straight, neoprene stay-on style, hand carry strap	934,00
C-771	77mm angled, neoprene stay-on style, hand carry strap	1 237,00
C772	77mm straight, neoprene stay-on style, hand carry strap	1 237,00
C-821	82mm, neoprene stay-on style, hand carry strap	981,00
C-881	88mm angled, neoprene stay-on style, hand carry strap	1 261,00
C-882	88mm straight, neoprene stay-on style, hand carry strap	1 261,00

TRIPODS

MANFROTTO TRIPODS & ACCESSORIES

Code	Description	Price (R)
055XV BG	Aluminium; green non-glare finish on upper legs; supports 7kg; max height 178cm or 134cm without column; min height 48cm; 3 leg sections; triple-faceted centre column eliminates rotation; ergonomic flip locks; leg warmers on 2 legs; legs can be set to 25°, 46°, 66° & 88°; 2,2kg; folded length 61cm	3 284,00
190XV BG	Aluminium; green non-glare finish on upper legs; supports 5kg; max height 146cm, without column 118cm; min height 35cm; 3 leg sections; triple-faceted centre column eliminates rotation; ergonomic flip locks; leg warmers on 2 legs; legs can be set to 25°, 46°, 66° & 88°; 1,8kg, folded length 53,5cm	2 538,00
MN128	Micro fluid head suitable for spotting scopes; 360° pan; 90° tilt; 4kg capacity; weighs 1kg	1 624,00
MN200PL-14	Quick release plate for Manfrotto's RC2system; equipped with 1/4"-20 camera mounting screw	222,00
MN293	Support for medium telephoto lenses up to 2,5kg , adjustable length, 234RC tilt head; 700g	1 410,00

ENDOSCOPES

Code	Description	Price (R)
Endo-micro	Check nests, bat boxes, roosts and burrows with lightweight micro endoscope inspection camera; choice of replaceable camera heads; adjustable LEDs light subject; waterproof; AVI and JPG output; 90cm cable. Options: still and video recording; extension cables; IR lighting and sensor	~5200

TORCHES, LAMPS & LIGHTING

Code	Description	Price (R)
ScorpionUV10m	9 LED 390-400nm UV, 10m beam; heavy aluminium body; 3 AAA batteries, 5-hour life. Detect scorpions; examine & ID rocks and minerals; UV photography	89,00
Worklight40m	48 LED 225 lumen worklight. 40m beam; shock- & rain-proof; rugged powder-coated steel body; swivel stand; 2400mAh rechargeable Li-ion battery; overcharge-discharge protection; 8hr charge=4hr use; also external AC or 12V DC	499,00
Floodlight100m	9 high-power LED 1600 lumen floodlight; 100m 120° beam; shock- & rain-proof; cast aluminium body; 12V car socket jack & 5m coiled cable; magnetic mount or fixed; 630g; 3000K; input: 11-36V DC, 1.5A @ 13,6V	999,00
Torch900m	High-power 900 lumen 480m beam 1,6hr/charge; 200 lumens = 2,5hrs; 40 lumens=20hrs; strobe & SOS; Li-ion battery; 3-4hr charging time; 240g; 160mm	599,00

AUDIO: BAT RECORDERS AND DETECTORS, ULTRASONIC & OUTDOOR SPEAKERS, TWO-WAY RADIOS, DIGITAL RECORDERS

WILDLIFE ACOUSTICS

Code	Description	Price (R)
EM3+	Revolutionary lightweight handheld bat detector and recorder features 16-bit full-spectrum recording at 256kHz or 384kHz while listening to calls in heterodyne, frequency division or adjustable time expansion. On screen real-time spectrogram. Auto-Het can automatically select frequency based on call dynamics.	13 320,00
EM3 GPS	Miniature GPS receiver & antenna for EM3	2 750,00
EM3 MicCable	2,5m extension cable to attach microphone to EM3's 3,5mm socket, especially for driven transects. Extend lengths by adding any of the SM2 Ext microphone extension cables.	854,00
SM2+	Song Meter stereo recording platform: compatible with audible-range microphones; NEMA 6 weatherproof case; four SD memory card slots; 16-bit full spectrum recording; live time expansion; batch noise scrubber; zero-cross converter; sampling rate 4kHz-48kHz, configurable amplifiers and filters; stereo headphone jack.	8 852,00
SM2Bat+	SM2 Bat, 384kHz mono & 192kHz stereo sampling rate, native zero crossing on 1 channel Uses either SMX-US or high-end SMX-UT ultrasonic microphones	12 760,00
SM2 GPS	Provides accurate position, time synchronised to milliseconds, allowing array of time-synchronised recorders to triangulate location of a sound source	6 343,00
SM2M	Stereo submersible long-term passive recorder, up to 2500 hours of continuous recording, 4kHz to 96kHz, 150m working depth	92 811,00
SM2M-US	Stereo submersible long-term passive recorder, up to 1008 hours of continuous recording, 4kHz to 384kHz, 150m working depth	139 216,00
SM2M Hi-SPL	Lower sensitivity hydrophone for recording and quantifying high sound pressure levels (SPL) such as as from pile drivers and air guns.	7 735,00
SMX-II	Weatherproof (NEMA 4) omnidirectional acoustic microphone for SM2: SNR > 62dB; Sensitivity -36dB±4dB; flat frequency response 20Hz-20000Hz	688,00
SMX-US	Weatherproof omnidirectional ultrasonic microphone for SM2BAT, used to record ultrasonic bats and insects	1 375,00
SMX-UT	High-performance ultrasonic microphone for SM2BAT+	3 094,00
SMX-Horn	Horn attachment to transform omnidirectional SMX-US into strongly directional ultrasonic microphone	2 063,00
SMX-NFC	Weatherproof night flight call microphone for SM2 with 10m cable, designed to record distant flight calls while attenuating ground-level noise	1 891,00
HTI-96-MIN	Hydrophone (20m) with 8m cable for SM2; sensitivity-165dB re 1V/µPa; frequency response 2Hz-30kHz	8 594,00
SM2-Calib	Calibration tool for ultrasonic microphones	3 094,00
SongStreamCell	Remote access to SM2+ & SM2BAT+; cellular variant.Log into portal from any internet-connected computer or device to retrieve recordings, monitor operating status and view memory card and power consumption.	23 117,00
SongStreamSat	Remote access to SM2+ & SM2BAT+; satellite variant; allows user to monitor operating status, and view memory card and power consumption.	47 952,00
SM2PWR	6VDC-12VDC adapter for external power to SM2; includes cable; voltage regulator with reverse current protection in weatherproof housing. Outputs 5VDC to SM2. Uses only only 7mA	2 231,00
SM2PWRcab	Replacement cable for SM2PWR	493,00
SM2 Ext1m	1m waterproof microphone extension cable	793,00
SM2 Ext3m	3m waterproof microphone extension cable	907,00
SM2 Ext10m	10m waterproof microphone extension cable	1 360,00
SM2 Ext50m	50m waterproof microphone extension cable	2 719,00
SM2Screen	Pair of replacement windsocks and clips for SM2 mics	197,00
SM2Fasten	4 replacement fasteners for SM2 cover	124,00
SongScope	Song Scope V4, powerful spectrographic analysis tool,helps researchers automatically identify birds, bats, frogs and other animals by call	4 297,00

TITLEY ANABAT SD2 SYSTEM

Code	Description	Price (R)
AnaBat SD2	AnaBat's tiny zero-crossing files allow quick, easy and reliable identification. Single small CF card can last for months of passive monitoring. Versatile detector and recorder suitable for passive, active and mobile monitoring. Needs PDA or laptop for active monitoring.	22 753,00
AnaBat PDA/GPS	PDA kit with software and GPS	17 695,00
AnaBat PDA	PDA with software	13 611,00
AnaBat PDABracket	Bracket mounting PDA to AnaBat	2 333,00
AnaBat PDAcable	Interface cable for PDA to AnaBat	692,00
AnaBat CF GPS	GPS on a CF memory card	2 120,00
AnaBat StdMic	Black, low-energy microphone attached directly to AnaBat	2 544,00
AnaBat HiMic	Green, versatile microphone for extension cables or direct attachment	2 544,00
AnaBat LoMic	White, low-frequency microphone for calls <15kHz	2 544,00
AnaBat Carmount	Car roof mount, 3m extension cable & HiMic for mobile monitoring	8 640,00
AnaBat Chirper	Simulates bat calls to test or calibrate detector	2 028,00
AnaBat FusedLead	Connect external power supply to AnaBat	300,00
Anabat ExtCable	Microphone extension cables from 1m to 100m	-
AnaBat GMLmodem	GML1 remote download GSM cellphone modem to download data to Internet. Requires SIM card, subscription to HetMyLog & GML monitor for setup.	18 340,00
Anabat GML monitor	GML1 monitor required for onsite configuration of GML1 modems. One monitor can set up all modems.	10 000,00
BatNav	Compact plug-and-go GPS, powered by SD2, geotags bat calls, KLM generator maps to Google Earth, no need for PDA or bracket	3 071,00

PETTERSSON

Code	Description	Price (R)
D100	Pettersson D100 bat detector	3 463,00
D200	Pettersson D200 bat detector	4 646,00
D230	Pettersson D230 bat detector	7 043,00
D240X	Pettersson D240x bat detector	17 432,00
D500X	Pettersson D500x bat recorder	26 223,00
D1000X	Pettersson D1000x bat detector	70 975,00
BATSOUND	BatSound 4.12, real-time spectrogram analysis software	6 318,00
BatSound5	BatSound 4.12, 5-user	9 477,00
L60	Ultrasound speaker; 2kHz-60kHz; vol control; 10,5x6x4cm; 100g	2 355,00
L400	Ultrasound speaker; built-in 14W amplifier; 10kHz-110kHz; max output >100dB @ 1m; vol control; level indicator; 24x16,5x7cm aluminium case; 8x AA cells or 12-28V external power; 1,6kg inc batteries	17 698,00
D500Mic&Cab	D500X external microphone and 1m cable	6 617,00
D500BatCab	D500X external battery cable	1 076,00
D1000MicCab	D1000X microphone extension cable	2 035,00

ecoOBS

Code	Description	Price (R)
Batcorder2	ecoObs Batcorder 2	38 380,00
Bcwindtr	Batcorder wind turbine extension set	20 622,00

MEMORY CARDS

Code	Description	Price (R)
4GB-SD4	4GB Kingston or Sandisk SDHC Class 4 memory card (for SM2 & EM3)	121,00
8GB-SD4	8GB Kingston or Sandisk SDHC Class 4 memory card (for SM2 & EM3)	138,00
16GB-SD4	16GB Kingston or Sandisk SDHC Class 4 memory card (for SM2 & EM3)	245,00
32GB-SD4	32GB Kingston or Sandisk SDHC Class 4 memory card (for SM2 & EM3)	295,00
64GB-SD10	64GB Sandisk SDXC Class 10 memory card (for SM2 & EM3)	850,00
4GBCF	4GB Sandisk Ultra CF (for Anabat SD2)	275,00
8GBCF	8GB Kingston x133memory card (for AnaBat SD2)	275,00

MASTS & POLES

PORTABLE ALUMINIUM MASTS

Code	Description	Price (R)
Alu10HDkit	Spiderbeam 10m portable mast kit. German-made heavy-duty telescoping anodised aluminium mast for extended deployment with heavy payload; folded 1,7m; weight 12kg; 7 sections, 70mm base, 40mm top, 2mm wall; stainless-steel section interlock screw clamps max vertical load 15kg, max windload area @ 100kmh=0,3m^2, @ 120kmh=0,13m^2. Accessories: guys at 2 heights with 4-hole guy plates; 100m 3mm galvanised guy cable; 8 shackles; 32 cable clamps; 8 cable tensioners; 4x 800mm galvanised steel pegs; 1 galvanised base plate.	16 269,00
Alu14.5HDkit	Spiderbeam 14,5m portable mast kit. Heavy-duty telescoping anodised aluminium mast; folded 2m; weight 18kg; 9 sections, 80mm base, 40mm top, 2mm wall; stainless-steel section interlock screw clamps; max vertical load 10kg, max windload area @ 100kmh=0,3m^2, @ 120kmh=0,13m^2. Accessories: guys at 3 heights with 4-hole guy plates; 200m 3mm galvanised guy cable; 12 shackles; 48 cable clamps; 12 cable tensioners; 4x 800mm galvanised steel pegs; 1 galvanised base plate.	23 604,00
Alu18HDkit	Spiderbeam 18m mast kit. Heavy-duty telescoping anodised aluminium mast; folded 2,55m; weight 23kg; 8 sections, 80mm base, 45mm top, 2mm wall; stainless-steel section interlock screw clamps; max vertical load 7kg; max windload area @ 100kmh=0,3m^2, @ 120kmh=0,13m^2. Accessories: guys at 3 heights with 4-hole guy plates; 400m 3mm galvanised guy wire; 12 shackles; 48 cable clamps; 12 cable tensioners; 4x 800mm galvanised steel pegs; 1 galvanised base plate.	31 947,00
Alu24HDkit	Spiderbeam 24m mast kit. Heavy-duty telescoping anodised aluminium mast; folded 2,7m; weight 32kg; 10 sections, 90mm base, 45mm top, 2mm wall; stainless-steel section interlock screw clamps; max vertical load 5kg; max windload area @ 100kmh=0,3m^2, @ 120kmh=0,13m^2. Accessories: guys at 4 heights with 4-hole guy plates; 600m 3mm galvanised guy wire; 16 shackles; 64 cable clamps; 16 cable tensioners; 4x 800mm galvanised steel pegs; 1 galvanised base plate.	43 583,00
Alu10HD	Spiderbeam heavy-duty 10m telescoping anodised aluminium mast without accessories; weight 10,5kg; folded 170cm	8 553,00
Alu14.5HD	Spiderbeam heavy-duty 14,5m telescoping anodised aluminium mast without accessories; weight 18kg	11 154,00
Alu10	Spiderbeam 10m telescoping anodised aluminium mast; weight 9kg, folded length 1,35m; 9 sections, 70mm base, 30mm top, 2mm wall; stainless-steel section interlock screw clamps; ~7kg load.	8 146,00
Alu12.5	Spiderbeam 12,5m telescoping anodised aluminium mast; weight 12kg, folded length 1,65m; 9 sections, 70mm base, 30mm top, 2mm wall; stainless-steel section interlock screw clamps; ~7kg load.	9 123,00
Alu15	Spiderbeam 15m telescoping anodised aluminium mast; weight 14kg, folded length 2m; 9 sections, 70mm base, 30mm top, 2mm wall; stainless-steel section interlock screw clamps ~7kg load.	11 086,00
Alu18	Spiderbeam 18m telescoping anodised aluminium mast; weight 18kg, folded length 2m; 11 sections, 80mm base, 30mm top, 2mm wall; stainless-steel section interlock screw clamps; ~7kg load.	14 541,00

AULUMINIUM MAST ACCESSORIES

Code	Description	Price (R)
GuyPlates10/12	Guy plate set for 10m or 12,5m masts; two plates, 3 guys/plate 120° apart; top plate & bushing 30mm; bottom plate & bushing 45mm	837,00
GuyPlates10HD	Guy plate set for 10m HD mast; two plates, 3 guys/plate 120° apart; top plate & bushing 40mm; bottom plate & bushing 50mm	801,00
GuyPlates14.5HD	Guy plate set for 14,5m HD mast; three plates, 3 guys/plate 120° apart; top plate & bushing 40mm; middle plate & bushing 50mm; bottom plate & bushing 60mm	1 234,00
GuyPlates15	Guy plate set for 15m mast; three plates; 3 guys/plate 120° apart; top plate & bushing 30mm; middle plate & bushing 40mm; bottom plate & bushing 50mm	1 262,00
GuyPlates18	Guy plate set for 18m mast; four plates; 3 guys/plate 120° apart; top plate & bushing 30mm; 2nd plate & bushing 40mm; 3rd plate and bushing 50mm; bottom plate & bushing 60mm	1 431,00
AluGuy4	100n roll low-stretch Dyeema guy rope	1 855,00
AluGuy6	50m roll braided polyester guy	679,00
AluKnobs	Set of 10 stainless steel knobs to replace hexhead screws on telescoping mechanism of all aluminium poles	1 352,00
BasePlate	Base plate for all aluminium masts	1 394,00

FIBREGLASS POLES, MASTS & ACCESSORIES

Code	Description	Price (R)
GRP12HD	Spiderbeam 12m telescoping fibreglass pole or mast; weight 3,3kg; folded length 1,18m; 12 sections, 55mm base, 8mm top, walls 2-1,4mm; black UV-protected, mutilayer reinforced fibreglass	2 080,00
GRP18	Spiderbeam 18m telescoping fibreglass pole or mast; weight 6,8kg; folded length 1,7m; 12 sections, 73mm base, 4mm top, walls 2-1mm; black UV-protected, mutilayer reinforced fibreglass: Accessories: rubber-padded stainless steel clamps	2 728,00
GRP26	Spiderbeam 26m telescoping fibreglass pole or mast; weight 18kg; folded length 2m; 15 sections, 108mm base, 4mm top, walls 2,5-1mm; black UV-protected, mutilayer reinforced fibreglass. Accessories: 14 rubber-padded stainless steel clamps, 3 guy rings.	4 010,00
GRP12clamp	11 rubber-padded stainless steel clamps for long-term use of 12m GRP pole	414,00
GRP12guybelt	2 flexible belts for four guys, transfer forces over wide area to prevent damaging poles	100,00
GRP18guybelts	4 flexible belts for guys on 18m GRP pole	232,00
GRP12mguy	180m of 4mm sash cord	124,00
PegShort	4 x 330mm light-duty pegs, suitable for GRP masts	116,00
PegLong	4 X 600mm heavy ground pegs, for aluminium poles & extended setups	199,00

EARTHING SETS

Microphones and cables mounted on pole can be destroyed by nearby lightning striks. The earthing kit provides basic protection, but will not save electronic gear from a direct strike

Code	Description	Price (R)
Earth kit	>12m copper ground strapping, 1,2m solid copper earth spike & clamp	605,00

POLE BAGS

We make high-quality custom bags from leading-edge rip-stop material in any permutation, size and colour you need. All bags can be fitted with reflective webbing.

Code	Description	Price (R)
PoleBagSM	Reinforced bottom; large pocket on front for pegs, guys $ tools; 1m long, for 12 aluminium or eight plastic mistnet poles; suitable for all GRP microphone & weather poles; shoulder strap & reflective carry handle	250,00

WALKIE-TALKIE TWO-WAY PORTABLE RADIOS

Operators of portable radios need a licence for any set with an output of more than 0,5W. This limits licence-free radios to a range of 1lm to 3km, whatever claims the manufacturer might make. We recommend an external antenna i they are operated from within a vehicle, otherwise range is further restricted to a few hundred metres. The Zartek range boasts excellent local service, unlike equipment that must be serviced overseas.

Code	Description	Price (R)
ZCom8fullpack	Light duty: two Zartek Com8 radios, UHF 8-frequency & 38 CTCSS squelch codes = 308 channels; backlit LCD; audio monitor; 4-hour charge of 2 700MAh 3,7V Li-poly batteries; channel scanning; 131x41x22mm slimphone, weight 80g; high-impact case; indoor range 500m-1km; outdoor 2km-5km, elevated line of-sight range 5km-20km; 2 push-to-ralk/voice-operated headset; 2 lanyards; mains charger; car charger; USB charger; dual cradle; 2 belt clips	825,00
ZCom8-2pack	Light duty. 2 Zartek Com8 radios. Accessories: 2 lanyards; mains charger; 2 belt clips	668,00
Zboom-219	Single ear headset for Com8, Push-to-talk or voice-operated hands-free boom mic	32,00
Zear-244-F	Soft silicone speaker fits either ear, push-to-talk switch on finger ring or voice operated. For noist environments, fits in helmets.	32,00
Z705	Heavy duty. Durable UHF 13-frequency 2028-channel handheld transceiver; full UHF 403-470MHz @ 4W available @ 2W or 4W (needs licence); or 446MHz (8 frequencies) & 464MHz (5 frequencies) license free; 600m-1,2km indoor range; 2-6km outdoor range; 10-30km elevated line of site range; , 1200mAh Li-ion Li-ion battery, usage time 16 hours; charge time 4-5 hours; 107x50x37mm; 200g; Accessories: drop-in charger, twin-lead mains adapter; belt clip; water-resistant	999,00
Z708	Heavy duty. Durable UHF 8-frequency 1968-channel handheld transceiver; 600m-1,2km indoor range; 2-6km outdoor range; 10-30km elevated line of site range; , 1200mAh Li-ion Li-ion battery, usage time 16 hours; charge time 4-5 hours; 120x58x35mm; 275g; Accessories: drop-in charger, twin-lead mains adapter; belt clip; water-resistant	949,00
Z7-CarMag270	Vehicle kit for Z705/8; includes UHF antenna, magnetic mount, desktop charger, cigarette lighter charger	299,00
Z7-Fixed263	Fixed antenna for Z705/8; includes UHF antenna, L bracket, 8m cable; drop-in charger; magnetic mount; car adapter, Velcro strip	299,00
Z-Std252	Light-duty earphone and inline push-to-transmit mic for Z705/8	94,00
Z-Lapel259	Lapel microphone and earphone hands-free set for Z705/8	169,00
Z-266	Acoustic eartube with inline push-to-talk mic for Z705/8	201,00
Z-273	D-cup earpiece, push to talk inline mic for Z705/8 in noisy or security environment; heavy-duty	144,00
Z-274	Single muff earpiece, boom mic with inline push-to-talk switch for Z705/8 in high-noise environment	173,00
Z275	Boom mic with neck loop, finger and pad push-to transmit buttons, padded earphones, for extremely noisy and covert environmentsnois	301,00
Z276	Hands-free Throat vibration mic and single eartube and mono earphone for Z705/8 & ZPro8, suitable for high-noise environments or driving. Operates by push-to-talk button or voice control with 3-level settings. Soft silicon earpiece	301,00
ZCase251	Carry case for za705/8	110,00
Z706-ProgKit	Programming kit to change Z705 channels	181,00

SOLAR

We sell a full range of solar panels, batteries, charging regulators, mounting units and housings to power attended and unattended field equipment. Our prices are competitive and the systens we sell have proved themselves in environments from snow-capped mountains in the Cape to the Kalahari in mid-summer. But this is a dynamic and competitive environment where prices, models and availability change rapidly. Call us and we will help you tailor a system that includes eveything you need, from panels and batteries to cables, controllers, connectors and met mast mounts.

SOLAR PV PANELS
Please call for the latests prices and availability of solid and roll-up solar panels from 5W to 250W.

Code	Description	Price (R)
SS05	5W	96,00
SS10	10W	173,00
SS20	20W	285,00

BATTERY CONTROLLERS

Code	Description	Price (R)
SF2A	2A, load-shedding, PWM low-voltage dropout	120,00
SF6A	6A	238,00
SR8A	8A	233,00
SS10A	10A	577,00
SS20A	20A	1 065,00
SS30A	30A	1 367,00

DEEP-CYCLE SEALED BATTERIES
We supply batteries of all sorts and sizes at highly competitive prices, from sealed lead-acid to lead-calcium and silver. But we prefer not to keep these items on the shelf. Prices change rapidly and supply of specialised batteries is irregular, so please call to determine current prices and availability.

DEEP-CYCLE BATTERIES

Code	Description	Price (R)
M12DC	12 V 12Ahr zero maintenance, sealed lead acid, deep cycle	381,65
M14DC	12 V 33Ahr zero maintenance, sealed lead acid, deep cycle	556,40
M18DC	12 V 33Ahr zero maintenance, sealed lead acid, deep cycle	573,30
M24DC	12 V 33Ahr zero maintenance, sealed lead acid, deep cycle	660,40
M33DC	12 V 33Ahr zero maintenance, sealed lead acid, deep cycle	729,52
SF18PK	18ah Power Kingdom sealed lead-acid, maintenance-free	355,00
SF26PK	26ah Power Kingdom sealed lead-acid, maintenance-free	564,00
SF35CA	35Ah Calcium, maintenance-free, glass matt separators	568,00
SS35S	35Ah Sealed lead-acid, maintenance-free	663,00
SS40LA	40Ah Lead-acid	675,00
SS45S	45Ah Sealed lead-acid, maintenance-free	802,00
SF45CA	45Ah Calcium, maintenance-free, glass matt separators	709,00
SS50LA	50Ah Lead-acid	814,00
SS65S	65Ah Sealed lead-acid, maintenance-free	1 170,00

WIRING

Code	Description	Price (R)
BatCable6	3m black & 3m red 6mm2 cable for wiring solar systems	79,00
BatCable12	6m black & 6m red 6mm² cable for wiring solar systems	152,00
BatConn	Pair of battery clamps	40,00

SOLAR PANEL MOUNTS

Code	Description	Price (R)
SS	mast, single support	980,00
SS	mast, double support	1 102,00
SS	small panel roof, wall, platform, ground, single support	349,00
SS	> 18W panel roof, wall, platform, ground; single support	425,00
SS	small panel roof, wall, platform, ground; double support	612,00
SS	> 18W panel roof, wall, platform, ground; double support	735,00
SF	wall & pole universal mount; double support	998,00
SR	50mm mast, 5W-20W; single support	466,00

HOUSINGS

Code	Description	Price (R)
BEC-CaseFull	All-in-one custom-made fibreglass housing with shroud, pole and solar panel mounts. Large hinged door for easy access. Protects and extends life of batteries and electronic gear by shielding equipment from sun, elements, baboons & pilferage. Lockable, ventilated, weatherproof, box suitable for 4AH-65Ah battery and charge controller. 2 watertight cable glands. Space for 1 to 3 bat detectors. Housing can be placed on ground or mounted on mast. Solar panel mounted directly on housing. Includes two pole mounts, solar panel mount & shroud	1 750,00
BEV-Case	Custom-made fibreglass housing with two waterproof cable glands; protects and extends life of batteries and electronic gear by shielding equipment from sun, elements & pilferage. Lockable, ventilated, weatherproof, baboon-proof.	1 050,00
Bev-Shroud	Open shrouded compartment mounted below BEV-Case provides ground stand and access to one to three shaded detectors	250,00
BEV-mount	Solar panel mount for BEV-Case, suitable for 10W-30W panels	350,00
BEV-BracketSM	Pair of small (<100mm) pole brackets for BEV-Case	125,00
BEV-BracketMED	Pair of medium (100mm to 200mm) pole brackets for BEV-Case	165,00
BEV-BracketLG	Pair of large (200mm and up) pole brackets for BEV-Case	195,00

TEMPERATURE, HUMIDITY & LIGHT LOGGERS

DALLAS TEMPERATURE AND HUMIDITY LOGGERS

Code	Description	Temperature range	Price
DS1920-F5	Temperature probe	-55°C to +100°C	150,00
DS1921G-F5	Dallas temperature Logger	-40°C to +85°C	285,00
DS1921H-F5	Dallas temperature Logger	-15°C to +46°C	285,00
DS1921Z-F5	Dallas temperature Logger	-5°C to +26°C	285,00
DS1922E-F5	High-resolution temperature logger	-15°C to +140°C	1 041,00
DS1922L-F5	High-resolution temperature logger	-40°C to +85°C	566,00
DS1922T-F5	High-resolution temperature logger	0°C to +125°C	813,00
DS1923-F5	High-resolution temperature & humidity logger	-20°C to +85°C	1 041,00
SK-TC2	Start kit: Blue Dot dual reader, USB, software		2 300,00
SK-TC1	Start kit: Blue Dot dual reader, USB, software, 1xDS1923, 2xDS1922L, 2xDS1921G, 3 cardholders		5 984,00

ACCESSORIES FOR DALLAS LOGGERS

Code	Description	Price
DS1402D-DR8	iButton Adapter Cable (RJ11 to Blue Dot)	136,00
DS9097U-009#	1-Wire Universal COM Port Adapter	357,00
DS9490R	USB to 1-wire Adapter	347,00
DS9097U-RS232	RS232 adapter	313,00
LM9093A	iButton momentary contact fob (red, white, orange, yellow, green, black, blue)	49,00
DS9093S	iButton plastic plate wall mount - 2 attachment holes	54,00
LM9093RWM	iButton Round Wall Mount Holder	57,00
DS9107	iButton Capsule	465,00
SL50-ACC06	iButton Silicone Enclosure: Sinking	140,00
SL50-ACC08	iButton Silicone Enclosure: Floating	162,00

ROXA-8 LOGGERS

Many temperature loggers emit ultrasound, which will disturb subjects such as bats. These credit-card format units do not emit ultrasound and are preferred for work with bats, frogs and insects.

Code	Description	Temperature range	Price
Trix-8	Tenperature, 2- to 3-year battery, Alert & OK indicators	-40°C to +85°C	297,00
Haxo-8	Temp & humidity(0-100%), 2- to 3-year batt; Alert & OK indicators	-40°C to +85°C	874,00
USBcradle	Interface cradle to download data (software free)		412,00

LIGHT LOGGERS

Code	Description	Price (R)
LightLog	Basic unit: 22x12x3mm, 1,8g without battery; sensitivity 0,01–5000 lux, 10 bit resolution=1024 levels; non-volatile flash memory holds 1 million records; interval user selectable from 1 to 9999 seconds; 50mAh rechargeable battery powers 1 million records. Standalone, collar, earring or glue-on	4 900,00

WEATHER STATIONS

Wide range of recording weather stations suitable for temporary or permanent installations. Options include additional specialised sensors, programmable alarms, notifications to user by SMS or e-mail

Code	Description	Price (R)
WeaSta2	Weather stations built to order. Base model records and logs temperature, wind speed and direction, barometric and relative pressure, rainfall, dew point, wind chill, humidity. Solar panel, mounting hardware. Options include wireless communications, additional sensors	3 000,00
6152EU	Davis Vantage Pro2: includes temperature, wind strength and direction, rainfall, humidity. Optional solar radiation and UV sensors, logger, software	~15 000,00
SKYE-Z	High-end, flexible weather station with a vast range of options and sensors, including temperature, rainfall, humidity, wind strength and direction, air pressure, soil moisture, water level, solar radiation balance, ultrasonic bat activity. Solar, DC & AC power; masts and mounting kits.	~20 000,00

ELECTRONIC TRIGGERS

We build electronic triggers that will instantly fire one or more cameras, whoosh nets, traps or other devices. Triggers can be activated by active or passive infrared sensors, by laser, by sound, by manual remote control or other inputs you specify. Groups of cameras can be coordinated to focus and fire within milliseconds of each other for volumetric and other studies that require instant response, triggered by active IR or laser sensors that resist false alarms caused by sunlight. Whoosh nets and traps can be fired by manual remote control, infrared or laser beams, or by sound. Call us to discuss your needs.

TELEMETRY

Ecotone makes the lightest commercially available GPS loggers with communications abilities, weighing as little as 3,5g for a fully-featured unit with housing and battery. The loggers transmit data and receive instructions by radio or cellular networks, or both modes in one unit. Loggers can be powered by high-power lithium batteries, lithium-polymer batteries recharged by micro-miniature solar cells, or composite power packs that include both. Most GSM loggers include temperature and activity sensors, most radio loggers include digital telemetry. Options include diving and other sensors. Weight is determined mostly by the battery pack selected for the unit and by the housing. Units are built to order, so please contact us to discuss your requirements.

Code	Description	Price from
EP-Rad	Micro-miniature system (1.3g without battery or potting), two-way UHF radio communications and digital telemetry. 200m-800m download range; 300m-1,5km telemetry range; memory holds 30 000 fixes; life depends on recharge cycles of lithium-polymer battery; optional ultra-lightweight solar charger; solar versions capable of 1 fix/10-15 minutes. Highly flexible configuration, with all parameters configurable from user-friendly interface, including 1-60min interval between fixes, delayed start, daily schedule, accuracy, radio download features, logger on or off within range of base station. Tightly integrated modular system includes onbiard digital telemetry, allows user wide range of options and sensors. Ideal for subjects that return to same area(s), such as burrows, nests and colonies.	15 925,00
EP-Rad Turdus	4g, 6g or 9g backpack for birds or bats; 100, 500 or 1200 fixes @ 15 min intervals; weatherproof	15 925,00
EP-Rad Alle	4,2g backpack for diving birds; 200 fixes @ 15 minute intervals; programmable 1-60min intervals, delayed start, accuracy, duty hours; diving sensor; waterproof to 100m; shortrange automatic radio download from 200m-800m; rechargeable batteries; digital telemetry	15 925,00
EP-Rad Pica	**Latest technology** for subjects ~150g: 5g logger (7g for diving bird); 29x17x11mm; 800m download range, digital telemetry; solar panel recharges drained battery in 30-60min of direct sun; battery good for 70-90 fixes and download between charges; diving sensor & logger available; battery life >0,5 year, >1,5yr recorded on birds	
EP-Rad Sterna	7g or 10g backpack; solar charger; battery good for 100 or 500 fixes a charge; weatherproof; all the other family features of EP-RAD	15 925,00
EP-Rad Uria	7g, 11g or 15g backpack for diving birds; 500, 1200 or 2500 fixes @ 15 min intervals; diving sensor; waterproof to 200m, diving sensor and all family features of EP-RAD	15 925,00
EP-Rad Anser	45mm ID necklace;waterproof; 35g with double solar charger; 1 fix / 15 min; battery for 1200 fixes between solar charges	
EP-Rad Marten	6g, 9g, 12g, 20g collar for small mammals; diameter from ~25mm; 100, 500, 1200, 2000 fixes @ 15 min intervals; weatherproof	15 925,00
EP-LR	Long-range radio download. All features of EP-Rad plus intelligent power control and long-range data download up to 8km; smallest set~12g for non-aquatic subjects, ~20g for acquatic subjects; solar version capable of 1 fix/10min intervals; digital telemetry standard	17 164,00
EP-LR Harier	**Latest techbology** 14g-16g backpack; up to 1 fix/5 mins @ 24hr/day; 1 fix/10-15 mins in high accuracy mode; battery handles 500 fixes between solar charges; recharges in minutes; long-range 8km download	18 049,00
EP-LREarTag	20g long-range radio logger fitted on ear tag for large animals such as buffalo amd wildbeest	
EP-LRIbis2	Solar powered; necklace, temperature & activity	19 464,00
EP-LRLgMam	EP-LR with supplementary 3- to 5-cell long-life lithium battery pack on lion, zebra or wildebeest-sized collar. 24 fixes/ day > 5yr. Other collars and battery packs available	28 665,00
EP-Radsolar	EP-Rad or EP-LR: 1 to 4 additional solar chargers; prices from:	1 593,00
EP-BS12	Short-range (200m-2km) base station, download data & upload instructions to loggers	call for quote
EP-BS14T LR	Long-range (6km to >16km) base station, download data and upload instructions to loggers, built-in digital telemetry; accessories; power from USB, battery or AC.	16 810,00
EP-AntDirec	Directional antenna for base stations	2 655,00
EP-BatGrip	Optional battery grip for base station	1 239,00

EP-GSM	EP-GSM logger offers two-way communications over cellular networks; private password-protected web panel allows user to reconfigure parameters every four fixes, download data & view positions & tracks on Google Earth or GIS programs; from 15g; includes activity and temperature sensors; GPS intervals from 30 min to 24hr configurable from panel; onboard memory stores 15 000 fixes when cellular networks unavailable; high-output mini solar chargers available for all models; optional backup battery can be added for periods of no sunlight or nocturnal subjects	15 925,00
EP-GSM Harier2	17g-19g backpack, solar charger; intervals from 1 fix/30 min to 1 fix/24hr	22 472,00
EP-GSM Ibis2	~25g necklace, single solar charger; 48 fixes/24/hr	23 888,00
EP-GSM Duck 4	33g-38g backpack (40g-45g for aquatic species); battery backup for 50 or 200 fixes with no solar charging; single solar charger can support 1 fix every 30 mins on clear days	17 518,00
EP-GSM Bubo4A	45g backpack (55g for diving species); double solar panel; battery backup for >400 fixes with no solar charging; double solar charger can support 1 fix every 30 mins on clear days	17 518,00
EP-GSM Branta	45g necklace; double solar charger; battery can support 200 fixes without solar charge	17 518,00
EP-GSM Cygnus	57g ID necklace; weight 58g; double solar charger; battery supports 200 fixes without solar charging	-
EP-GSM Crane	105g Collar or necklace, solar charged lithium polymer battery & high-power non-rechargeable lithium C cell, good for additional 3500 fixes when no sun.	-
EP-GSM Fox	Collar from 60mm, ~100g; solar charger and backup battery for 2000 fixes when logger has no access to sunlight	-
EP-GSM Lynx	170g with C cell or 230g with D cell; adjustable collar; double solar charger and backup lithium battery for 3500 or 7000 fixes in addition to solar charging	-
EP-GSM Oryx	300g or 500g ; double solar charger and backup battery for 7000 or 15 000 fixes in addition to solar charging	-
EP-GSM Elk	Rugged 2000g to 3000g collar for large mammals; large high-power battery for > 35 000 fixes	-
EP-GSMRadio	EP-GSMRadio loggers provide two-way communications over cellular networks and over radio; ideal for migrants and species marked at breeding sites before dispersal. All the features of GSM and radio loggers; private password-protected web panel allows radio & cellular parameters to be set independently; 22g for terrestrial species, 29g for aquatic species; includes activity and temperature sensors; digital telemetry standard; GPS intervals from 30 min to 24hr configurable from panel; onboard memory stores 30 000 fixes when subject out of communications range; backup battery can be added for periods of no sunlight	26 542,00
EP-GSMRadHar3	**Latest technology** for subjects >500g: 17g-19g backpack (19-24g for diving birds); 27x53x15mm; 6-8km long-range radio and worldwide quad-band cellular GSM communications; memory for 30000 positions; digital telemetry, temperature and activity sensor; solar panel recharges drained battery for fixes and download in as little as 1min of direct sun; battery good for 60-100 fixes and downloads between charges; battery life >1 year, >3yr recorded on birds; can be fitted as backpack, collar, necklace, ear tag; custom builds	28 311,00
EP-GSMRadIbis3	necklace from 19g	29 727,00

GSM-6	Annual GSM fee for six fixes a day	€160
GSM-12	Annual GSM fee for 12 fixes a day	€320
GSM-24	Annual GSM fee for 24 fixes a day	€640
GSM-48	Annual GSM fee for 48 fixes a day	€1280
EP-GSM-Sol1	Single solar charger	885,00
EP10-sol2	Double solar chargers	1 593,00
Backpack	Custom backpack or necklace	3 185,00
BackpackAdd	Custom housing incorporating addiional non-rechargeable longlife C- or D-cell batteries	7 963,00
EarTag	Ear tag for mammals	885,00
CollMam	Custom collars for mammals	3 009,00
ToughHouse	Custom reinforced housing for mammals	7 963,00
Hi-power	Replacement high-power non-rechargeable lithium battery	885,00

NON-COMMUNICATING GPS LOGGERS

Code	Description	Price (R)
GiPSy 2	High-spec, lightweight GPS logger without broadcast communications; logger must be retrieved to download data or change operating parameters. 24x14,5x4mm; 1,8g without battery. Smallest battery 200mA, 2,5g	11 890,00

VHF TELEMETRY

Code	Description	Price (R)
Aus26k	Australis 26K. Full-featured super-sensitive 148–174MHz scanning receiver. Frequency selection in 1kHz steps, fine tuning in 100Hz steps. <1kg. 50x140x170mm. 16-pushbutton control. Volume and gain controls	27 556,00
Aus26kCase	Leather shoulder case for Australis 26K	-
Reg	Regal 2000. Push-button frequency selectors. Illuminated field strength meter and frequency selectors. Separate volume and gain controls. Battery test function. 40x170x120mm. 845g. Aluminium case.	17 856,00
ComSpecR1000	R1000 from Communications Specialists. 4 MHz range in 148-174MHz band, -148 to -150dBm sensitivity, 80dB gain, digital strength meter, 999 non-volatile memory channels, backlit display and keyboard, one-year warranty	5 645,00
YAGI-AY/C	Collapsible 3-element Yagi antenna, tuned for long-distance reception. 730g	-
YAGI-Bag	Carry bag for Yagi antenna	4 520,00
Omni-whip	Omnidirectiional whip antenna with magnetic base for mobile use	-
RF datalog	Logger for Australis 26K VHF receiver	-
T-GP1	Micro light 1g VHF telemetry transmitter. Trackable from 4-8km with handheld antenna, 30-35km by air, or >100km with large antenna. Suitable for implants, glue-on, earrings and collars. 8x10x6mm. 1g. Systems built to order. Options: temperature, light, movement and other sensors.	R 6 797,00

Tubular Teflon Tape

Tubular Teflon tape is the ideal material to make harnesses for telemetry equipment, especially for small subjects such as birds and bats. This tape is extremely strong, inert to almost all chemicals at normal temperatures, does not absorb water and body oils, and most importantly it limits abrasion of skin, feathers and fur.

Code	Description	Price (R) /m
Tef-Tape-3	2,5mm (0,1 inch) Teflon tape. Weighs 1,7g a metre.	230,00
Tef-Tape-5	4,8 mm (3/16 inch) Teflon tape.	290,00
Tef-Tape-6	6,4mm (0,25 inch) Teflon tape. Weighs 4,4g a metre.	300,00
Tef-Tape-8	8,4mm (0,33 inch) Teflon tape.	305,00
Tef-Tape-11	11,2mm (0,44 inch) Teflon tape.	312,00
Tef-Tape-14	14mm (0,55 inch) Teflon tape.	320,00
Tef-Tape-17	16,8mm (0,66 inch) Teflon tape.	327,00

Surgical cement

Code	Description	Price (R)
PT2	Surgical cement for glue-on loggers, with Latex, 112g can, brush-in-cap applicator	145,00
PS2	Solvent to remove surgical cement. Safe for most animals. 224g.	290,00

COSTS OF HANDLING AND SHIPPING WITHIN SOUTH AFRICA

We insure and ship parcels by the fastest and most appropriate means we can find, so charges vary depending on value, size and destination. Goods worth less than R300 are usually sent by registered post but not insured at a cost of about R65. Most small parcels weighing less than 2kg and valued at less than R3000 cost about R185 for courier fees and insurance. We will quote standard shipping charges in every pro-forma invoice, but can always make special arrangements to meet clients' needs.

DIDN'T FIND WHAT YOU NEED?

We sell Ecotone's full range of products, including microscopes, many more top-quality binoculars and telescopes, passive radio-frequency ID systems, environmental monitoring equipment, and a host of more specialised gear – just about anything a biologist might need in the field. Call us to discuss anything not listed in this catalogue or about custom-designed solutions for your needs.

Please e-mail us at *office@ecotoneafrica.com* for comprehensive catalogues and data sheets.

Prices determined by the current exchange rate with currency of manufacturing country.