

MIST NETS  
FIELD EQUIPMENT

## Table of Contents

Ecotone Mist Nets .....	3
US (Avinet) standard mist nets (by ECOTONE) .....	4
US (Avinet) standard mist nets (by ECOTONE) .....	5
Ecotone Mist Nets - <b>Series M (monofilament netting); nylon</b> .....	6
Ecotone Mist Nets - <b>Series H (netting called 'Hair' or 'Puppy Net'); nylon</b> .....	6
Ecotone Mist Nets - <b>Series 700P (75d/2-ply polyester)</b> .....	7
Ecotone Mist Nets - <b>Series 700 (70d/2-ply nylon)</b> .....	7
Harptraps .....	8
Ecotone Mist Nets accessories .....	8
Ecotone mist nets accessories (Pesola, Callipers, Wing Rulers, Bat Rings, ect) .....	9
Bat Detectors .....	10
Bat Detectors & Telemetry for bats .....	11



### ADVANTAGES:

- The quality and efficiency of our nets are result from more than 30 years of experience.
- All our nets are made from the highest quality nylon and polyester netting.
- Most are made of Japanese netting, except for a few specialised models, such as the strongest series 2000.
- All our nets are black, UV protected; the material and colours are durable and longlasting.
- The special knots used in our nets help to prevent the loops and shelf strings from moving.
- The construction with positioning strings prevent wind shift of the netting.
- Each net come with Ecotone cotton made bag.

### LOOPS:

- From 2009 our net's loops are marked with an indelible serial number and the company's name to help control quality and to track nets used illegally.
- The serial number is placed on one of the colour loops and on the product label.
- Our new mist nets loops are longer and stronger than previously used.
- Top loops are colour-coded and equipped with stoppers to make fast setting easier.
- New loops are designed to be used especially with our Mist Net Poles.

### MAIN FEATURES:

- Net dimensions: length without loops and stretched to a standard tension, height and number of shelves are shown in the table.
- The thickness, visibility and strength of the nets is indicated by the denier (a unit of weight for fibres) and the number of fibres used in the netting. So 70denier/2-ply netting is lighter and thinner than 110d/2-ply netting, and 210d/2-ply is thinner than 210d/3-ply netting.
- Mesh size is measured by one side of the squared mesh - „16 mm” refers to a 6x16 mm mesh.
- Nets of up to three shelves are tethered on a single shelf strand to prevent wind bunching the netting. Nets with four or five shelves feature two tethered strands.

**TO PREVENT ILLEGAL HUNTING** with Ecotone mist nets, we require our customers to send a copy of their ringing licence or a recommendation from a scientific institution before we can process orders.

**HOW TO CHOOSE MIST NETS:** First consider: what animals you intend to catch; bats or birds: Sample groups used in the tables: A - small passerines; B - medium passerines; C - waders, small ducks, small & medium terns; D - small owls & raptors, medium & ig waders; E - owls, medium raptors, medium & big ducks; F - big raptors, geese, cormorants.

Size, strength and behaviour of the animals you are targeting, features of the habitat where you plan to use the nets: open or dense vegetation, height of vegetation, light conditions. Then select the features of the net: most effective type of material and the thickness of the yarn, size of the mesh, number of shelves and height of the net; length of the net.

## US (Avinet) standard mist nets (by ECOTONE)

Code	Length (m)	Number of shelves	Height (m)	Mesh size (mm)	Denir/Ply	Material	Trammel line
PQ02	2	4	2,6	30	70/2	Nylon	Braid Poly.
PQ03	3						
PQ06	6						
PQ09	9						
PQ12	12						
PQ18	18						
PQ21	21						

Code	Length (m)	Number of shelves	Height (m)	Mesh size (mm)	Denir/Ply	Material	Trammel line
TQ03	3	4	2,6	30	75/2	Polyester	Braid Poly.
TQ06	6						
TQ09	9						
TQ12	12						
TQ15	15						
TQ18	18						
TQ21	21						

Code	Length (m)	Number of shelves	Height (m)	Mesh size (mm)	Denir/Ply	Material	Trammel line
TH03	3	4	2,6	38	75/2	Polyester	Braid Poly.
TH06	6						
TH09	9						
TH12	12						
TH15	15						
TH18	18						

## US (Avinet) standard mist nets (by ECOTONE)

Code	Length (m)	Number of shelves	Height (m)	Mesh size (mm)	Denir/Ply	Material	Trammel line
TB02	2,6	4	2,6	38	75/2	Polyester	Braid Poly.
TB04	4						
TB06	6						
TB09	9						
TB10	10						
TB12	12						
TB15	15						
TB18	18						

Code	Length (m)	Number of shelves	Height (m)	Mesh size (mm)	Denir/Ply	Material	Trammel line
RT3	3	4	2,6	60	110/2	Nylon	Braid Poly.
RT6	6						
RT7	7						
RT9	9						
RT10	10						
RT12L	12	2	1,3				
RT12	12	4	2,6				
RT18	18						
RT21	21						

Code	Length (m)	Number of shelves	Height (m)	Mesh size (mm)	Denir/Ply	Material	Trammel line
CT3	3	4	2,6	60	210/2	Nylon	Braid Poly.
CT6	6						
CT7	7						
CT9	9						
CT10	10						
CT12L	12	2	1,3				
CT12	12	4	2,6				
CT15	15						
CT18	18						

**Series M; nylon.** Nearly invisible, ultra-thin (0.08 mm) monofilament netting. Nets with 14x14 mm mesh are perfect for catching the smallest birds, such as hummingbirds and small bats such as Pipistrellus sp. Nets with 20 mm x 20 mm mesh are designed to catch medium-sized bats.

Code	Mesh (mm)	Height (m)	Length (m)	Shelves	Use for:
M-14/2	14x14	2,4	2	4	A, Bats
M-14/3			3		
M-14/6			6		
M-14/9			9		
M-14/12			12		
M-14/15			15		
M-14/18			18		
M-14/21			21		
M-20/3	20x20	2,4	3	4	Bats
M-20/6			6		
M-20/9			9		
M-20/12			12		
M-20/15			15		
M-20/18			18		
M-20/21			21		

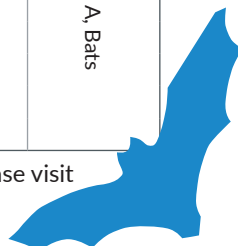
These nets are also available in white version. For more details please visit our website.

**Warning:** Nets M-20 are recommended only for advanced users and in places with a low concentration of bats. They are so effective that it is difficult to remove large catches quickly.

**Series H; nylon.** The netting called 'Hair' or 'Puppy Net' is made of special chain-like thread, which makes it soft and elastic, the shelves are better stretched and less visible in natural habitat. Thanks to this feature, they are very efficient, the bats or birds become entangled easily and can't run away. It is also important that this netting, due to the filament structure, doesn't soak with water.

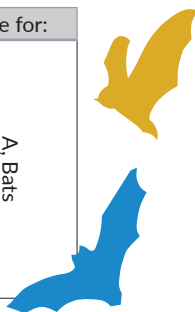
Code	Mesh (mm)	Height (m)	Length (m)	Shelves	Use for:
H-3	14x14	4	3	4	A, Bats
H-6			6		
H-9			9		
H-12			12		
H-15			15		
H-18			18		
H-21			21		

These nets are also available in white version. For more details please visit our website.



**Series 700P (75d/2-ply polyester).** These nets are recommended for catching small birds and bats. They are barely visible and can be used in any habitat, including open areas. The polyester fibre is UV resistant and does not absorb moisture. In the morning or after rain just shake the net to remove droplets. A well - stretched net has only one layer (no pockets) and bats are less likely to echolocate it than a classic net.

Code	Mesh (mm)	Height (m)	Length (m)	Shelves	Use for:
714/3 P	14x14	2,5	3	5	A, Bats
714/6 P			6		
714/7 P			7		
714/9 P			9		
714/10 P			10		
714/12 P			12		
714/15 P			15		
714/18 P			18		



**Series 700P (75d/2-ply polyester).**

Code	Mesh (mm)	Height (m)	Length (m)	Shelves	Use for:
716/3 P	16x16	2,5	3	5	A, Bats
716/6 P			6		
716/7 P			7		
716/9 P			9		
716/10 P			10		
716/12 P			12		
716/15 P			15		
716/18 P			18		



**Series 700 (70d/2-ply nylon).** The most popular line with our customers. The high quality nylon netting is deep black, UV stable and strong. The nets are barely visible, softer than polyester and are very effective. Used for catching birds in all kinds of habitats, including open areas. Nets with 30x30 mm mesh are designed to catch medium-sized bats.

730/9	30x30	3,2	9	4	Bats, B, C
730/10			10		
730/12			12		
730/15			15		
730/18			18		



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## FAUNATECH HARPTRAPS

Well known Australian made harp traps. Developed and refined over a 22-year period, the Austbat Harp Trap name is synonymous with trapping efficiency, build quality and field-friendly features. Constructed from selected high quality materials, their designs offer ease and speed of assembly, light weights, corrosion resistance and general robustness. In the offer there are two, three and four bank Harp Traps, in normal (4.2m<sup>2</sup>) or mini size (1m<sup>2</sup>). Catching bags can be ordered in traditional natural poly cotton or our synthetic rot-proof "Troppo" bag. Traps are fully strung and complete with guy ropes and user manual. The lightweight carry bag is included.



## ECOTONE MIST NETS ACCESSORIES

**Aluminium MIST-NET POLES** - Ecotone aluminium mist nets poles are designed for ornithological and bat mist nets. Thanks to segmental construction it's very easy to adjust height of the pole to your own needs, especially to use with high nets: 4m, 5m and more. Our net poles are fully made from high quality aluminium which makes them lightweight, very durable and non-rust. Seamless connections to make nets slide without any obstruction. Each section ends with pivot. The pivot has two holes: one to mount guy ropes and the other for extra string to easily pull mist net to the top of the pole.

### PROMOTION:

Now with each Pole Set you will get  
a mounting set GRATIS!



**TELESCOPIC MIST-NET POLES** - designed and produced by ECOTONE. Lightweight telescopic construction make these poles easy to transport and operate. Strong enough to support 20 m-plus nets. Reduced flexibility - tube walls are more than twice as thick as those used for fishing rods. Bottom section fitted with strong spike to anchor pole in the ground.

**BAG for mist nets poles** - designed for Ecotone's mist net poles  
Ideal to transport and protect poles.

### MOUNTING SETS for mist nets poles:

- for aluminium mist-net poles
- for telescopic mist-net poles





## Pesola Spring Balances

Model	Capacity/division
<b>Light Line</b>	
10010	10g/0.1g
10020	20g/0.2g
10050	50g/0.5g
10100	100g/1g
10500	500g/5g
11000	1000g/10g
<b>Micro Line</b>	
20010	10g/0.1g
20030	30g/0.25g
20060	60g/0.5g
20100	100g/1g
<b>Medio Line</b>	
40300	300g/2g
40600	600g/5g
41000	1000g/10g
42500	2500g/20g
43000	3000g/20g
<b>Macro Line</b>	
80005	5kg/50g
80010	10kg/100g
80020	20kg/200g
80035	35kg/500g
80050	50kg/500g



## Electronic Balances

Code	Capacity/division
PPS200	200g/0.02g
CL-201	200g/0.1g
CL-2000	2000g/1g
CL-5000	5000g/2g
MS-1000	1000g/0.2g
PTS-3000	3000g/0.1g



PPS200



CL series



## Bird holding bags

Set: 10 pcs.  
Strong, double stitch.  
Birds friendly 100% cotton,  
line stopper.

- SMALL, size: 15x20 cm
- MEDIUM, size: 20x25 cm
- LARGE, size: 25x30 cm

## Temperature & humidity loggers

Temperature & Humidity Loggers „iButton” loggers for long-term monitoring in bat colonies and bird nests. Miniature, coin-size (17.35 mm diameter only).



Model	Temperature range
DS1921G	-40°C to +80°C
DS1921H	+15°C to +46°C
DS1921Z	-5°C to +26°C
DS1922L	-40°C to +85°C
DS 1922E New	+15°C to +140°C
DS1922T	0°C to +125°C
DS1923 (Hygrochron)	-20°C to +85°C In- cludes 0 to 100% Humidity Logger

## Callipers

Code	Range/accuracy
MEASY dial	150mm/6", 0,1 mm/0,001"
MEASY DG digital	150mm/6", 0,1 mm/0,001"

## Wing Rulers

Code	Division
Ruler 15	15 cm/in
Ruler 30	30 cm
Ruler 50	50 cm

## Bat Detectors

We do offer a full range of products from producers listed below:

### Wildlife Acoustics

#### Song Meter SM4BAT FS

Compact, lightweight, single-channel bat detector/recorder, available in full-spectrum and zero-crossing models. Developed specifically for bat research, the SM4BAT recorders combine innovative design with a new low-power processor and easy to use scheduling features. The SM4BAT will make bat research simpler, faster, less costly and more reliable.

#### Song Meter Mini Bat Ultrasonic Recorder

The smallest, lightest and most affordable ultrasonic recorder on the market, the new Wildlife Acoustics Song Meter Mini Bat gives scientists a simple, yet innovative tool for recording bat vocalizations.



#### Echo Meter Touch 2 PRO

Available for Android and Apple iOS devices.



### Petterson

The bat detectors from Petterson Elektronik are high quality equipment, designed in close cooperation with leading bat workers, for optimum efficiency and durability. Transformation of ultrasound into audible sound can be made with different techniques.

#### The M500 microphone

is easily used with a tablet PC or laptop. For Android or iOS systems.



#### Petterson u256 USB Ultrasound Microphone

Ultrasound recording in the field has never been more portable and convenient than with the u256/u384. Featuring excellent sensitivity, low noise, small size and ultra-low power consumption.



## Titley Scientific

The AnaBat detectors are used to identify species of bats by detecting, recording and displaying their ultrasonic echolocation calls. AnaBat detectors can be used in two principal ways - to monitor bat's activity in the absence of a human operator (Passive Monitoring) or to produce real-time sonograms of calls, to aid identification of bats in the field (Active Monitoring). Available models: AnaBat SD2 Bat Detector, AnaBat Express, Anabat Walkabout (new).



### Anabat Walkabout Active Bat Detector

Product details: 500ks/s 16 bit Sample Rate, Full colour 5" Touchscreen display, FG Knowles Microphone, Multiple Audio modes (Including Time Expansion and Heterodyne), GPS and Wi-Fi enabled, Android Operating System (no phone or tablet required), Free Analook Insight Analysis Software Licence.

### Anabat Scout

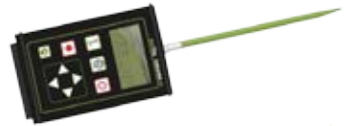
The Anabat Scout is an affordable, full spectrum bat detector designed specifically for active bat monitoring.



## EcoObs

The batcorder - high resolution sound recordings - monitorbats - anytime, anywhere...

The batcorder is the first worldwide data recorder, that distinguishes bat calls from other sounds sources in real-time (online signal analysis). Mentioned device enables automatic recording of bat calls, that are recorded digitally as a call sequence. Thus, bat calls can be easy sampled automatically in almost every possible location.



## TELEMETRY FOR BATS

### GPS-GSM trackers

- data access and settings change: web profile;
- housing: backpack or collar, aerodynamic, strong & waterproof;
- data upload from memory when GSM network is accessible;
- GPS intervals: user programmable, from 30 minutes to 24 hours;
- GPS controlled by operating hours schedule and light sensor;
- data recorded: GPS position, activity and temperature;
- optional data: speed, altitude, 3-axis acceleration and light intensity;
- high efficiency solar charger & long life battery;
- optional: VHF beacon, diving sensor & pressure-proof design.



Tringa

**Tringa GPS-GSM** with solar charger.

Currently one of the smallest & lightest GPS-GSM tracker, weight 9,9g.

**GPS-GSM-UHF trackers** (Crex XS- weight 12g.)

**GPS-UHF trackers** (Alle 60 - weight from 4,5g.)



Alle 60



Crex XS

More loggers: [www.ecotone-telemetry.com](http://www.ecotone-telemetry.com)



ECOTONE is an association of professional ornithologists and ecologists. Since 1993, we produce various kinds of mist nets for catching birds and bats. The quality and efficiency of our nets are the result of more than 30 years experience in field work. All our mist nets have been thoroughly tested by the Ecotone team in conditions as diverse as the snowy Arctic, tropical forests and deserts. They are also continually tested by thousands of customers in countries around the world.

#### WE ARE REPRESENTED IN:

Columbia, Czech Republic, France, United Kingdom, Germany, Hungary, Iran, Israel, The Netherlands, USA, South Africa and Spain.

#### ORDERS:

- Visit our e-shop at [www.ecotone.com.pl](http://www.ecotone.com.pl) or order by e-mail with the catalogue code and quantities of the items you need.
- Please do not make any prepayment before getting our pro forma invoice.
- We accept payment by credit card or bank transfer.
- We usually send goods abroad by courier.

#### SPECIAL ORDERS:

- We can produce bulk quantities of any nets with length, height, mesh size, number of shelves and kind of netting specified by the customer.
- We also manufacture special-purpose nets such as dho-gaza, trammel net or canopy nets, on request.
- If you have any special mistnets requirements please do not hesitate to contact us, we'll try to find the best solution.

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To order, please visit our e-shop:

[www.ecotone.com.pl](http://www.ecotone.com.pl)

Contact e-mail address: [office@ecotone.pl](mailto:office@ecotone.pl)