

THUNDERBIRD



LIVESTOCK MANAGEMENT SYSTEMS



PRODUCT CATALOGUE - EDITION '10

WE'RE PASSIONATE ABOUT MAKING QUALITY AUSTRALIAN MADE PRODUCTS

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*Quality Australian Made
Electric Fencing Products*

THUNDERBIRD



Company Background

Thunderbird Ag is an Australian manufacturer of animal management and livestock weighing systems in the rural market, servicing Australian farmers with high quality products to suit harsh Australian conditions.

Thunderbird is Australia's most progressive agricultural weighing and electric fence company in both market growth and product development. This is due to the in house tooling and manufacturing teams working alongside the team of electronic design engineers.

This formula delivers the best level of compatibility for all product components with consistent quality at the most affordable price.

As an Australian manufacturer, we understand the harsh environmental conditions which our products are subjected to. We have gained the knowledge to develop products that perform at a highly reliable standard even under these testing conditions.

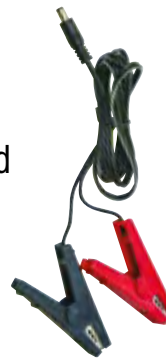
Our company, is totally committed to research and development. This ensures continued product development and improvement in performance, enabling us to remain a leader within the industry.

Small & Medium Mains & Battery Fence Energisers

MB-140 Powers up to 15 km

MB- 370 Powers up to 35 km

- Designed to operate from mains or battery power
- Tough, O-ring sealed enclosure
- SMD technology for maximum reliability
- Mains A.C. adaptor and 12 volt battery lead supplied
- Quality components - 2 years warranty
- Lightning spark gap - 6 months lightning warranty
- Vacuum sealed transformer for longer life
- Low battery warning & pulse timing displayed
- Optional solar kit available

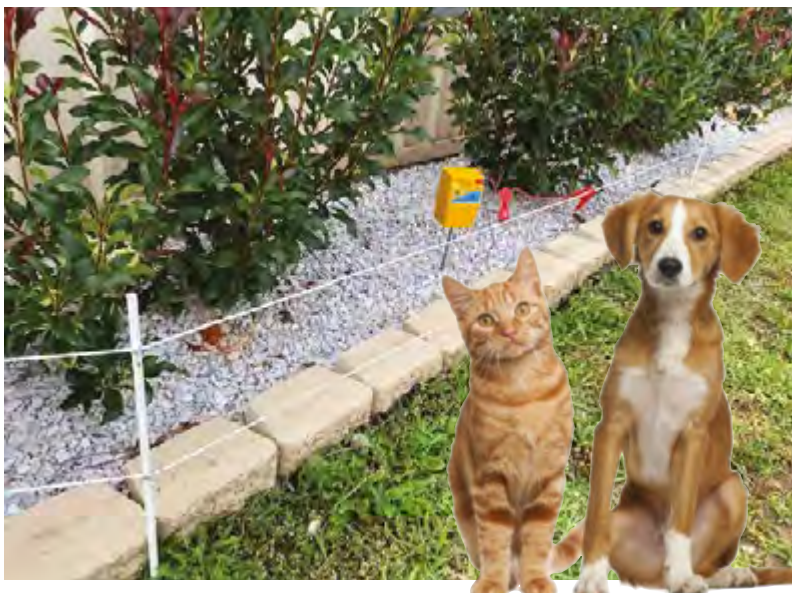


Model	Stored Joules	Maximum Distance	Voltage @ No Load	Voltage @ 500 ohms	Current Drain	Solar Kit Size 12V
MB-140	1.5 Joules	15km	8.4kV	5.2kV	120mA	12 watt
MB-370	3.4 Joules	35km	7.9kV	5.5kV	210mA	25 watt

Small NEW - GARDEN/PET Battery Fence Energisers

B-5 PET ENERGISER

The Thunderbird B5 Pet energiser has been designed and built to be compliant with Schedule 3 of the Prevention of Cruelty to Animals ACT 1979 (POCTA) the Prevention of Cruelty regulations 2012 and underpinning codes and standards Protects the Welfare of Animals in NSW.



- 3 weeks battery life (alkaline type)
- Can be used with rechargeable batteries
- Integral stainless steel Earth Stake
- 5.3 KV output
– safe non severe shock
- Sealed on / off switch
- Powers up to 500 metres wire
- Keep Pets Safe and protect your gardens

Large Mains & Battery Fence Energisers



Features:-

- **Digital display** - of output voltage, earth condition, joules and amps - condition of fence - all displayed together, no toggling required.
- **Mains or battery powered** -12 volt lead and A.C adaptor supplied (optional solar kit)
- **Remote ready** - turns unit on or off, from the paddock
- **Auto power boost** - automatically increases energy levels as fence requires
- **3 powers levels** - to select from, low – medium - high. Up to 9.9 kV
- **Earth monitor** - displays the condition of your earth system
- **13 pulse speeds** - to select from 1.2 to 2.4 seconds

Additional features available with the MB-2750R and MB-5600R

- **Fence Return Terminal** - displays end of line fence voltage
- **Alarm History records** - displays time and date of previous alarms
- **Maintains full battery charge** - for battery back up when mains power is down
- **Extra large terminals**, menu display, real time clock, ultra high power models

Remote ready

Remote control (optional) ERC-2
Turns energiser on or off from the fence line.

Digital function display

- Output voltage
- Earth condition – poor-fair-good
- Amps - condition of fence
- Joules - energy being used
- Mode - standby, diagnostic data

MB-560R Powers up to 50 km

MB-1060R Powers up to 85 km

MB-1760R Powers up to 135 km

MB-2750R Powers up to 200 km

MB-5600R Powers up to 350 km

- **Built in alarm** - activates internal buzzer when fence voltage drops. Alarm voltage can be set from 2 to 6 kV– Optional strobe light or siren plus strobe light, activates upon energiser alarm.
- **Tough enclosure** - o-ring sealed, weather proof ABS robust enclosure
- **Great back up** - 2 years warranty, 6 months lightning warranty
- **Solar compatible** - optional solar kit can be connected, to power, for remote areas
- **Quality components** - SMD electronics and transformer is vacuum sealed
- **Auto battery save function** - when battery voltage level drops, system changes output level to low and pulse rate to maximum.

Model	Stored Joules	Maximum Distance	Voltage @ no Load	Voltage @ 250 ohms	Current Drain	Solar Kit Size 12V
MB-560R	6.3 Joules	50km	8.1kV	5.6kV	205-380mA	40 watt
MB-1060R	10.5 Joules	85km	8.3kV	6.4kV	435-795mA	80 watt
MB-1760R	16.8 Joules	135km	8.2kV	6.7kV	450-1250mA	120 watt
MB-2750R	27.8 Joules	200km	8.8kV	6.9kV @ 100 ohms	0.6-4 A	240 watt
MB-5600R	55.3 Joules	350km	8.9kV	7.9kV 100 ohms	1.2– 6.6 A	480 watt

Small Mains Fence Energisers



M-30 Powers up to 2 km

M-65 Powers up to 7.5 km

M-125 Powers up to 15 km



- Safety certified to Australian /New Zealand standards
- OK pulse light flashes with each fence pulse
- Tough o-ring sealed weatherproof case
- SMD technology - for ultimate reliability
- Lightning spark gap fitted - 6 months lightning warranty
- Vacuum sealed transformer - provides a longer life
- 2 years warranty - made from quality components
- Large fence terminal knobs, with stainless steel nuts

Model	Stored Energy	Maximum Distance	Voltage @ no load	Voltage @ 1000 ohms	Power Usage (watts)
M-30	0.29 Joules	2km	8.0kV	2.8kV	2
M-65	0.83 Joules	7.5km	7.8kV	4.0kV	3
M-125	1.4 Joules	15km	7.9kV	5.1kV	4

Medium Mains Fence Energisers



M-260 Powers up to 25 km

M-360 Powers up to 35 km



All the features of it's smaller brothers - but with more power.

Able to supply more energy for longer fences, and deliver higher voltages.

Safety is assured with the certification to the Australian / New Zealand standards.

2 YEARS WARRANTY

Model	Stored Energy	Maximum Distance	Voltage @ no load	Voltage @ 1000 ohms	Power Usage (watts)
M-260	2.2 Joules	25km	8.7kV	6.9kV	5
M-360	3.1 Joules	35km	8.2kV	6.9kV	7

Small Solar Fence Energisers - *With Internal Batteries*



Self Contained Systems - includes battery

S -19B 1.5 km Solar System

S -28B 2.5 km Solar System

- Ideal for small fencing applications
- Output leads are supplied. Fully portable
- Internal battery included, O-Ring sealed case, low and high power levels
- Slides over steel star post
- Mains battery charger is supplied, for poor weather periods
- Magnetic switch - no holes through case

Medium Solar Fence Energisers - *With Internal Batteries*



Self Contained Systems - includes battery

S-45B 5 km Solar System

S-75B 10 km Solar System

- Feature Packed, both models
- Designed to slide straight over a steel star post for mounting
- Convenient strong moulded carry handle for easy portability. Super fast to install, large easy to use fence knobs
- Ideal mould angle to maximise solar collection
- Low battery warning - lets you know when to mains recharge
- Fence and earth leads supplied with insulated grips. Mains charger port is covered - keeps weather out Low and high power levels for battery conservation

Large easy to view LCD display, O-Ring sealed case,

Fully portable - internal battery included. Light, easy and fast to set up. Fence leads and a mains recharger are supplied. Coated electronics, resin sealed transformer and SMD technology combine to form a high quality product. Magnetic switch - no holes through case.

Model	Stored Energy	Maximum Distance	Voltage @ no load	Voltage @ 1000 ohms
S-19B	0.15 Joules	1.5km	7.0kV	2.6kV
S-28B	0.23 Joules	2.5km	7.2kV	3.3kV
S-45B	0.47 Joules	5km	7.8kV	5.0kV
S-75B	0.71 Joules	10km	7.8kV	5.8kV

Large Solar Fence Energisers - *With Internal Batteries*



Self Contained System S-180B 20km Solar System



*Incorporates intelligent battery management software that monitors energy collected by the solar panel and adjusts output accordingly.
A mains charger is supplied for those extended periods of poor sunlight.*

- Powers up to 20 km
- Self contained package
- Digital screen displays voltage, amps and low battery
- Compact and very portable
- Easy and fast to set up
- 2 x Internal rechargeable batteries
- Earth and Fence leads supplied
- O-Ring sealed enclosure
- Magnetic switch - Full and reduced power levels
- 7,400 Volts output

At 1.78 joules of power the Thunderbird S180B is the most powerful Solar Energiser with built in batteries, available in Australia.

**Mounts over top of star post to install. Mains charger port is covered to keep the weather out.
Low Battery Warning - on screen - Proudly Australian Made**

Model	Stored Energy	Maximum Distance	Voltage @ no load	Voltage @ 1000 ohms
S-180B	1.78 Joules	20km	7.4kV	6.0kV

Large Solar Fence Energisers - Operates off External Battery



- S-370 35 km Solar Energiser (MB-370 + Solar kit)**
- S-560R 50 km Solar Energiser (MB-560R + solar kit)**
- S-1060R 85 km Solar Energiser (MB-1060R + solar kit)**
- S-1760R 135 km Solar Energiser (MB-1760R + solar kit)**

Designed for large fence applications where no mains power is available.

Regulator and mounting supplied as standard. Thunderbird's large solar systems are designed to be connected to an external 12 volt battery.

- Battery not included.

Model	Recommended Min Solar Panel Size	Recommended Min Battery Size	Systems Voltage	Regulator
S-19B	2 watts	7 A/H	12V	No
S-28B	5 watts	7 A/H	12V	No
S-45B	5 watts	7 A/H	12V	No
S-75B	5 watts	7 A/H	12V	No
S-180B	12 watts	14 A/H	12V	Yes
S-370	25 watts	80 A/H	12V	Yes
S-560R	40 watts	100 A/H	12V	Yes
S-1060R	80 Watts	200 A/H	12V	Yes
S-1760R	120 watts	280 A/H	12V	Yes

**Note : Deep cycle type batteries are recommended
Solar panel sizes may vary due to geographical locations**

Please note - energiser distances are a guide only. Factors such as proximity of live wire(s) to earth or to other parts of a fence, distance of live wire run underground, thickness of wire and earth condition will affect the effective distance. Thunderbird recommend a minimum distance of 200mm between the live wire(s) and any other conductor, otherwise effective energiser distance is reduced.

Battery Fence Energisers



Strip Grazer BD-22

Powers up to 2 km, operates from 4 x D cell batteries.



- Designed for short runs of electric fencing
- Portable and low battery use are the big features of this energiser
- Designed to hang on the live fence wire
All wiring comes as standard
- OK Pulse and low battery lights
- Electronics are heavily coated to avoid failure due to moisture and Insect damage

Small / Medium Battery Fence Energisers



B-120 Powers up to 15 km

Coated electronics to resist moisture and insects, modular design. Pulse and low battery lights.

This range is reliable and versatile -designed to operate in the harshest conditions.

Powered by 12 volt external battery.



BD-22
Powers up to 2 km

Model	Distance	Stored Energy	Battery Drain	Solar Option	Low Battery Indication	Voltage @ no load	Voltage @ 1000 ohms
BD-22	2km	0.1	14mA	5 watt	Yes	7.5kV	1.7kV
B-120	15km	1.5	90mA	12 watt	Yes	8.7kV	6.7kV

Wire Joiners & Strainers



EF-13S Wire joint clamp - Heavy duty, strong design, galvanised finish, for an excellent electrical joint



EF-13 Wire joint clamp—Slit bolt takes up to 2.5mm wire



EF-13C Claw wire joint clamp - reversible clamp type



EF-34 Plain ratchet strainer—Rust resistant, galvanised frame, clip lock design



EF-33A Porcelain ratchet strainer - Rust resistant, galvanised frame, long life porcelain insulator



EF-33 Plastic ratchet strainer
Rust resistant, galvanised frame with large insulator

Testers & Energiser Accessories



EF-5A Fault Locator

- Displays: volts, amps and direction of the fault
- Auto power off function— saves battery
- Saves time locating short
- Cordless design

Designed for use with units over 1 Joule of stored energy only



EF-9 Lite Volt Tester

- 4 Lights indicate voltage level: 1,500, 3,000, 4,500 & 6,000 volts
- (Poor, fair, good or excellent) Requires no battery to operate



EF-8 Digital Volt Meter

- Reads up to 10,000 volts
- Large digital display
- Auto on/off function
- 9 volt battery, lasts up to 1 year



EF-4 Fence Flasher

- Fence Flasher
- Sealed from moisture and insect damage
- Flashes when fence voltage is over 2,500 volts
- Can be seen up to 1 km away at night



ERC-2 Remote Control

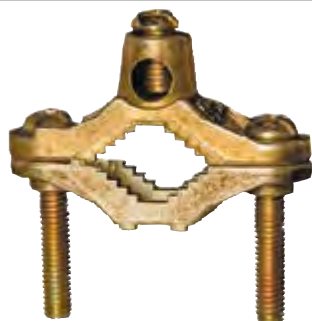
Turns energiser {with "R" suffix} on or off, from the paddock, simply connect to anywhere along the hot wire to turn on or off.

Built in digital volt meter

The remote is ideal for long distance fence lines - Finding and repairing faults is now made easy.



Earthing Kits & Accessories



EF-126 Earth Clamp

Fits 12mm rod, provides secure electrical connection

EF-70 Portable Galvanised Earth Stake






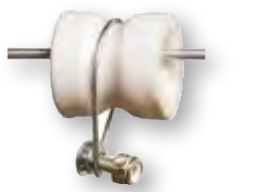
Hot dipped galvanised, 1000mm in length, T bar top for easy removal, Termination bolt included

EF-60 Super Earth Kit






Contains bentonite and salt to improve soil conductivity around earth rod, stainless steel rod for long life





Steel Post Insulators

 <p>AUSTRALIAN MADE</p>	<p>EF-18S Super strong pinlock with UV stabilised plastic. Ideal for wire or polywire</p>	 <p>AUSTRALIAN MADE</p>	<p>EF-18D Dual Purpose Pinlock - Fits oval and round hole posts, slot for 12mm tape - two pin option - larger shield and fence wire pin</p>
 <p>AUSTRALIAN MADE</p>	<p>EF-23S White Post Cap Insulator - Ideal for wire & cord, UV stabilised plastic, can take up to 40mm tape- Can be fixed to post</p>	 <p>AUSTRALIAN MADE</p>	<p>EF-23L Long Steel Post Cap Insulator - maximum visibility, for wire or up to 40mm tape - secures to post</p>
 <p>AUSTRALIAN MADE</p>	<p>EF-106 Wide Tape Pinlock Insulator - takes up to 40mm tape</p>		<p>EF-31B Porcelain Steel Post Insulator - Fire resistant and long lasting. Porcelain, clip, nut & bolt supplied</p>

Wood Post Insulators

 <p>AUSTRALIAN MADE</p>	<p>EF-19 Heavy Duty Pinlock Insulator—UV stabilised plastic for long lasting, large shield to prevent arcing</p>	 <p>AUSTRALIAN MADE</p>	<p>EF-19C Claw Pinlock Insulator - Ribbed for extra strength, UV stabilised plastic, anti arc shield</p>
	<p>EF-17 Screw In Insulator—screws straight into soft timber, slotted for easy wire access</p>	<p><i>Our range of Products are Tough! and excellent Value for Money.</i></p>	
 <p>AUSTRALIAN MADE</p>	<p>EF-107 Screw On Insulator— ideal for wide tape up to 40mm , white UV stabilised plastic</p>		<p>EF-31A Porcelain Drive In Insulator—long lasting & robust Porcelain, clip & nail supplied</p>

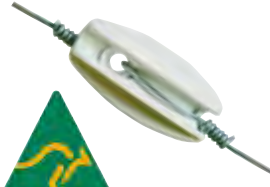
Miscellaneous Fencing Products

	<p>EF435 Premium Chain Strainer. Precision profile cut jaws. Provides up to 25% less effort, with spring guided jaw and swivel design, quality galvanised components and superior grip.</p>	<p>EF-7 30M Insultube 5mm I.D, 9mm O.D</p> 
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End Strain Insulators



EF-16 Plastic End Strainer—
Extra long leakage path,
designed for short strains



EF-16W Super End
Strainer—tough UV
stabilised plastic, ideal for
long fence strains



EF-26 Porcelain Reel—
Ideal for corner strains.
Large 41mm diameter



EF-25 Porcelain End
Strainer—Strong and
long lasting fire resistant
material

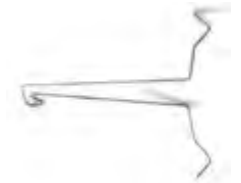
Offset Insulators



EF-31 41mm Porcelain Reel
& 300mm Spring Steel Wire
- C clip supplied. Strong &
robust for longer life



EF-29 Plastic Pinlock &
300mm Spring Steel Wire.
Connects to pre-strained
wire



EF-30 300mm Spring Steel
Wire Only. Takes pinlock or
porcelain



EF-27 Polytube 300mm
- Can be installed to pre-
strained wire. Plastic tube
insulator



EF-17L 200mm Screw In
Wood Post Offset. Slotted
for easy wire access



EF-22 Steel Post 150mm
Plastic Offset—Ideal for hot
tape, fits to both sides of
post



EF-28S Steel Post 300mm
Plastic Offset—Clamps
around Y post.
Safe to use with horses



EF-50 300mm Fiberglass
offset & spring clip, drives
into wood posts



EF-342 200mm Pinlock Y
steel post offset—Ideal for
wire and polywire



EF-345 160mm Swivel
lock Y post offset—Takes
up to 6mm rope/wire and
12mm tape



EF-344 200mm Y post
offset for 40mm tape—
Takes up to 40mm tape



EF-341 270mm Drive in
wood post pigtail offset







Offset insulators are used for those wanting to electrify existing fences.

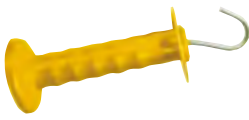











EF-340 150mm Drive in
wood post pigtail offset

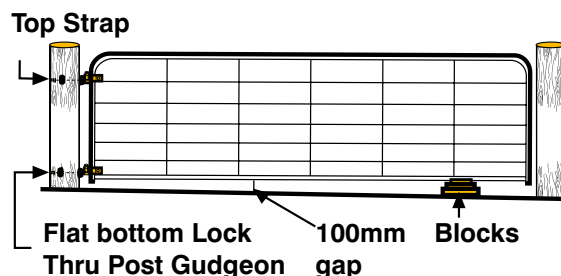
Offset Insulators

 <p>EF-83D 150mm Single dual purpose pigtail offset—Fits oval & round hole posts. Can mount on steel or wood posts</p>	 <p>EF-84D 250mm Single dual purpose pigtail offset—Fits oval & round hole posts. Can mount on steel or wood posts</p>
 <p>EF-85D 250mm Double dual purpose pigtail offset—Fits oval & round hole posts. Can mount on steel or wood posts</p>	 <p>EF-89 150mm Flat surface offset, can be screwed, bolted or nailed to any flat surfaces</p>

Gateways & Gate Accessories

 <p>EF-32SG Gate Smooth Grip Handle—Gal spring and hook with a large smooth grip handle</p>	 <p>EF-32SGC Compression handle super strong trace spring with a large smooth grip handle</p>
 <p>EF-32A Plastic hook handle Completely insulated</p>	 <p>EF-34B 3 Way gate anchor with gal connection plate - Wood post</p>
 <p>EF-34BS 3 Way anchor with gal connection plate—Steel post</p>	<p><i>Our range of Products are Tough! and excellent Value for Money.</i></p>
 <p>EF-102 Duplex Joiner for braid rope and wire</p>	
 <p>EF-110 7m Bungee gate EF-110L 11m Bungee gate</p>	 <p>EF-46 Tape gate kit—Up to 5 meters</p>
 <p>EF-105 40mm Tape End Buckle</p>	 <p>EF-108 Bungee Cord End Hook</p>
 <p>EF-58 Rod Post Insulator – Takes up to 2.5mm wires—</p>	<p><i>All gate kits include 3 way gate anchor for wood post insulated spring handle and wood post insulator</i></p>

- GF-200 Field Gate Set 25 X 275mm - Gal
- GF-205 Field Gate Set 25 X 275mm - Zinc
- GF-210 Field Gate Set 25 X 400mm - Zinc
- GF-215 Max Post Gate Set 400 X 32mm - Zinc
- GF-220 Economy Gate Set 25mm
- GF-225 Weld On Gate Pack



Underground Cable



Thunderbird's underground cable is double insulated for premium insulation. It is manufactured from high quality materials with a galvanised wire core. Used as a lead out from shed to fence, under gateways, general wire connections and earth stake wires.

EF-11E 25m x 1.6mm

EF-11 50m x 1.6mm

EF-11F 25m x 2.5mm

EF-11A 50m x 2.5mm

EF-11B 100m x 2.5mm

EF-11D 200m x 2.5mm

Tape, Rope, Cord, Braid & Polywire



Poly Wire - The Poly Wire range uses 6 stainless steel wires, and is ideal for short distances.

EF-40EO - 200m orange

EF-40EW - 200m white

EF-40DO - 500m orange

EF-40DW - 500m white



Hot Tape—Designed for short distances, 12mm wide, with 5 stainless steel wires. Highly visible woven design

EF-40BO - 200m orange

EF-40BW - 200m white

EF-41 - 100m x 40mm wide

EF-40CW - 400m white

EF-40CO 400m orange

Ultra Conductive Products -The range of Thunder Poly Tapes, Cords, Braids and Ropes feature a combination of tinned copper and stainless steel. Superior conductivity and strength, resulting in better power transfer and longer life.

EF-48– 200m Thundertape

EF-48A– 400M Thundertape

EF-47 - 200m Thunderbraid

EF-53 - 200m Thunderrope

EF-47AB– 550m Thunderbraid

EF-52– 200m Thundercord

EF-52A– 400m Thundercord



Pre-loaded Reels



EF-36G47A—Geared Reel with 400M Thunderbraid
– Super conductive!

EF-40BWREEL—200m Polytape pre-loaded on reel

EF-36G52– Geared Reel + 300m Thundercord

EF-36G48 - Geared Reel + 300m Thundertape

Hot Tape & Poly Wire Specifications

Performance Chart—Tapes, Wire, Cord, Braid & Rope

Product	Item #	Length	Colour	Width	Volts at start of fence	Volts at 500m	Volts at 1km	Type of conductor
Tapes								
Wide Tape	EF-41	100m	White	40mm	8,000	1,600	890	SS
Wide Tape	EF-41SC	200m	White	40mm	8,000	6,960	6,200	CU + SS
Thundertape	EF-48	200m	White/red	12mm	8,000	6,400	5,300	CU + SS
Thundertape	EF-48A	400m	White/red	12mm	8,000	6,400	5,300	CU + SS
Poly Tape	EF-40BW	200m	White	12mm	8,000	890	470	SS
Poly Tape	EF-40CW	400m	White	12mm	8,000	890	470	SS
Poly Tape	EF-40BO	200m	Orange	12mm	8,000	890	470	SS
Poly Tape	EF-40CO	400m	Orange	12mm	8,000	890	470	SS
Wires & Cords								
Thundercord	EF-52	200m	White/red	3.5mm	8,000	6,960	6,200	CU + SS
Thundercord	EF-52A	400m	White/red	3.5mm	8,000	6,960	6,200	CU + SS
Poly Wire	EF-40EW	200m	White	2.5mm	8,000	1,140	600	SS
Poly Wire	EF-40DW	500m	White	2.5mm	8,000	1,140	600	SS
Poly Wire	EF-40EO	200m	Orange	2.5mm	8,000	1,140	600	SS
Poly Wire	EF-40DO	500m	Orange	2.5mm	8,000	1,140	600	SS
Braid:								
Thunderbraid	EF-47	200m	White/black/yellow	3.5mm	8,000	6,720	5,800	CU
Thunderbraid	EF-47AB	550m	White/Black/Yellow	3.5mm	8,000	6,720	5,800	CU
Rope:								
Thunderrope	EF-53	200m	White/black	6mm	8,000	6,960	6,200	CU + SS
Equirope	EF-63A	400m	White/red	4.5mm	8,000	6,960	6,200	CU + SS

Note - The Thunder range of poly products use a combination of stainless steel (for strength and durability) and copper wire (for superior conductivity), providing a longer lasting and better performance.

Recommended distances are maximum, when energiser is placed in the middle of the fence line, to reduce distance the pulse needs to travel. Results may vary depending on conditions and many other factors, figures are with a 500 ohm resistance to earth to represent an animal.

All figures are approximate

Cu = tinned copper wire

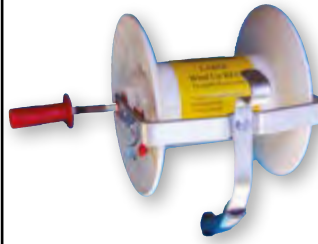
SS = stainless steel



Wind Up Reels



EF-36 - Small Reel—Takes up to 200m Tape / 500m Polywire
Insulated bobbin, aluminium frame, light and easy to use



EF-36A Large Wind Up Reel—Takes up to 300m tape / 500m Polywire
Insulated bobbin, aluminium frame, light and easy to use



EF-36G Geared 3 to 1 Wind Up Reel—Takes up to 200m tape / 500m polywire.

EF-40REEL Plastic mini reel Easier and faster to wind up with a 3 to 1 ratio, galvanised frame, light weight, easy to use & strong robust design

Tread In Posts



EF-61 Plastic Multi Wire Tread In Post - 1080mm tall, heavy duty white plastic, light weight but robust



EF-61B Plastic Multi Wire Tread In Post Black— 1080mm tall, light weight



EF-38 Multi Wire Galvanised Post - 1100mm tall, non breakable steel foot, replaceable insulators, spring steel design



EF-38H Multi Wire Galvanised Post - 1500mm tall, non breakable foot, replaceable insulators, spring steel design

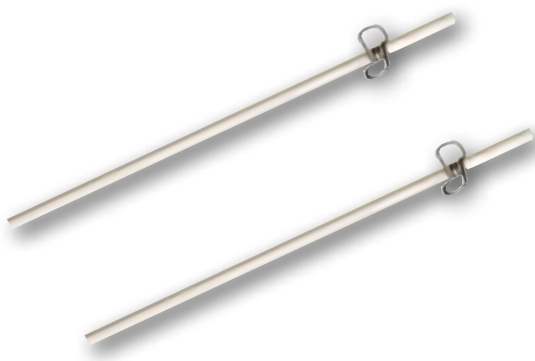


EF-37 Orange Pigtail Tread In Post - 10mm x 1000mm heavy duty steel, robust construction for longer life



EF-39 Galvanised Pigtail Tread In Post - 6mm x 1060mm spring steel design, non breakable steel foot

Fiberglass Fencing



Ideal for temporary and permanent fencing

EF-55 1000mm x 10mm Fiberglass Posts














EF-54 1250mm x 10mm Fiberglass Posts

EF-56 1500mm x 10mm Fiberglass Posts

EF-57 10mm Galvanised Spring Clips

EF-51 Nylon Driver Cap

Fence Accessories

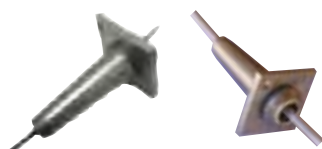
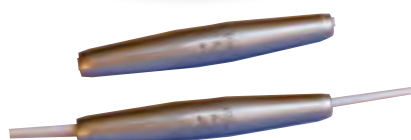
	<p>EF-59 Single Fence Jumper Lead <i>Ideal to parallel fence wires</i></p>		<p>EF-119 Triple Fence Jumper Lead Insulated lead and clips. <i>Ideal to parallel wires</i></p>
	<p>EF-173 12V Battery Lead— 2.5mm jack with black and red insulated clips. Connects from energiser to battery</p>		<p>EF-171 Green Earth Lead & Clip EF-172 Red Fence Lead & Clip Insulated clip with ring end for energiser terminals</p>
	<p>EF-121 Black Clip EF-120 Red Clip EF-122 Green Clip Insulated clips</p>		<p>EF-115 50M Bungee Cord </p>
	<p>EF-103C 40mm EF-104C 12mm Tape Joining Buckles</p>		<p>Double Sided Fence Signs: EF-15 Electric Fence EF-15A Keep Out EF-15B Shut The Gate EF-15D Beware Of The Dog</p>
	<p>EF-49 Flood Isolator— Reduces power loss when flood contacts the fence, prevents fence shorting out into floodway</p>		<p>EF-10K Lightening Diverter Kit—Designed to divert lightening into the ground to protect energiser</p>
	<p>EF-10A Lightning spark gap - Adjustable gap to suit all size energisers</p>		<p>EF-14S Cut Out Switch— Swivel contact blade, easy to view on/off function</p>

Horse Sighter Wire



EF-502 4mm x 650m Horse Sighter Wire

- Highly visible, smooth and attractive
- UV stabilised, last for years in the sun
- SAFE—capable of stretching up to 24%
- 7 times lighter than steel wire
- Strong—300 to 400kg breaking force
- Non conductive, 650m rolls, 4mm thick
- Resistant to sunlight, crop chemicals, acids, extreme temperatures and salt water.



EF-510 Wire link joiner 3-4mm

EF-511 End vice fitting 3-4mm

Electric Netting Kits



THUNDERNET is available in 2 versions - Thunderbird supply solar powered netting kits, packaged up and ready for work. Both Poultry and Sheep/Goat netting kits are available.

Kit contains: **BLK2S** 2.5km solar energiser, 1m galvanised earth stake, electric fence warning sign, 50m length of netting
Solar Poultry Netting Kit: EF-PNET-KIT
Solar Sheep/Goat Netting: EF-SGCNET-KIT



Poultry netting IDEAL FOR FREE RANGE POULTRY

- 12 horizontal wires and stands 112 cm high.
- Bottom wire is not electrified and is suitable for hens, geese and turkeys.
- Effective against foxes, dogs and goannas.

Also available in 25 metre kit with solar energiser and earth stake

Sheep / Goat netting

- 10 horizontal wires, 108 cm in height. Strong plastic struts every 30 cm provides stability.
- Designed for uneven terrain. Bottom wire is not electrified.
- Suitable for sheep, goats, calves and free range pigs.

Please note: This kit is suitable for domestic and trained goats only.

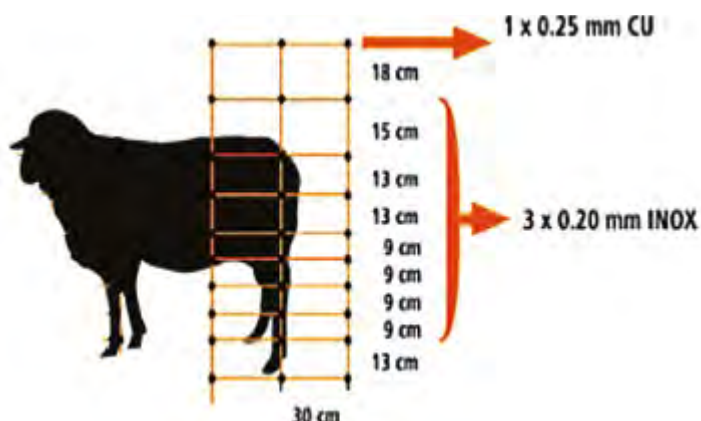
Recommended energiser size for netting:

- | | |
|-------------------|--------------------|
| 1 net—0.2 Joules | 2 nets—0.45 joules |
| 3 nets—0.7 Joules | 4 nets—1.2 Joules |
| 5 nets—1.5 joules | |



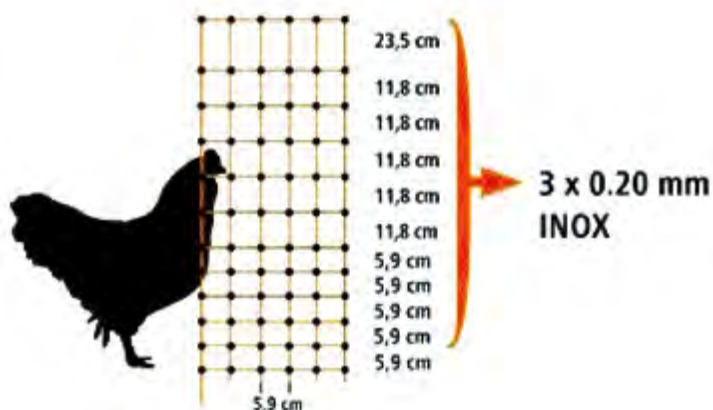
EF-SGCNET Sheep/Goat/Calf Netting

108 cm



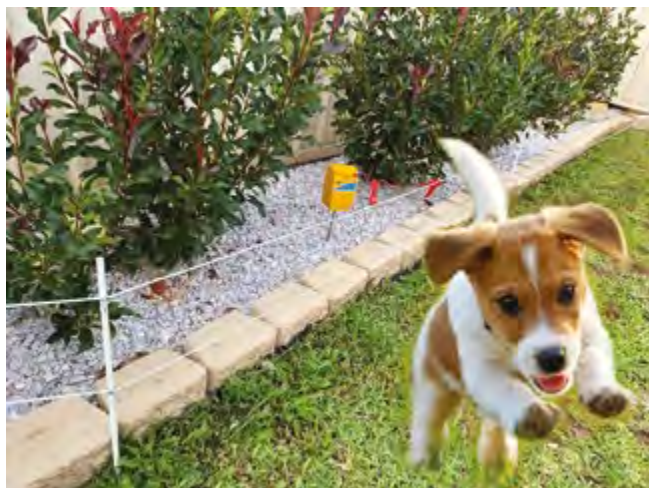
EF-PNET Poultry Netting

112 cm



Garden Kits

Ground Kit



- 1 x B5 Energiser with Earthstake
- 10 x Fibreglass Posts
- 25 x Spring Clips
- 1 x 100m Polywire
- 1 x Electric Fence Sign

Fence Top Kit

- 1 x B5 Energiser with Earthstake
- 10 x Fence Top Insulators
- 1 x 100m Polywire
- 1 x Electric Fence Sign



Horse Fence Kits

Select from Solar or Battery powered kits.

Each kit includes: Energiser, 1m galvanised earth stake, electric fence warning sign, 10 x 1.5m multi wire tread in posts, pre-loaded reel with 200m poly tape and an insulated hook handle

Solar kit: EF-SHORSE-KIT

Battery kit: EF-BHORSE-KIT



OR



12V Rechargeable Handpieces



RCH-12V

12 volt rechargeable Horse and cattle clipper hand piece, powered by a quality lithium ion battery. Offering portability and flexibility for clipping your animals anywhere, anytime.

- Around 1.5 hours operation on each battery charge
- 240 volt charging system supplied—fast 2.5 hour charging
- BONUS (extra) battery supplied, 4000mah lithium ion
- Nicely balanced, low noise levels and low vibration design
- Powerful 180 watt 12 Volt motor operating at 2800 RPM, with venting system
- Tools supplied—Brush, lubricating oil bottle and screwdriver
- Supplied with a spare set of (bonus) blades
- Convenient carry case supplied to keep everything tidy, together and protected



RSS-12V

THUNDERBIRD are proud to supply the 12 volt rechargeable Sheep Shearing device, powered by a quality lithium battery. Offering portability and flexibility to shear or crutch small mobs of animals anywhere!

- Around 1.5 hours operation on each battery charge
- 240 volt charging system supplied—fast 2.5 hour charging
- BONUS (extra) battery supplied, 4000mah lithium
- Nicely balanced, low noise levels and low vibration design.
- Powerful 180 watt 12 Volt motor operating at 2800 RPM, with venting system
- Tools supplied—brush, lubricating oil bottle and screwdriver with comb and cutter
- Blade pressure adjustment with rotation knob
- Convenient carry case supplied to keep everything tidy and together
- Can use standard combs and cutters



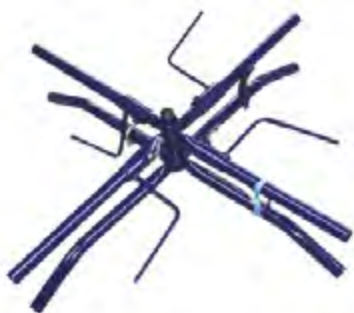
RSS-COMB

Replacement comb for RSS-12V

RSS-CUTTER

Replacement cutter for RSS-12V

General Fence Products



EF-43 Wire Spinner
Fully adjustable, over-run brake



EF-44 Steel Post Lifter



EF-400

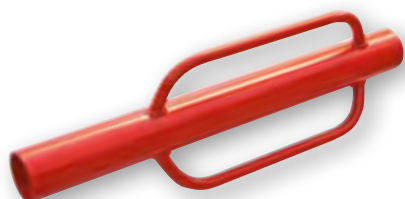
Yellow Steel Post Safety Cap— Can be fastened to post, bright visible colour, UV stabilised plastic



EF-125
Wire Twisting Tool
Smooth comfortable handle, accommodates multiple wire sizes



EF-430
Chain Wire Strainer
Insulated grip handle, swivel for left and right hand operation, built to last



EF-45
Steel Post Driver
710mm Length



EF-45A
Large Steel Post Driver
1070mm Length
Heavy duty strong design

Cattle Prodders

New & Improved Australian Made!!!

RP-500 - 500mm total length

RP-750 - 750mm total length

RP-1000 - 1000mm total length

The Thunderbird rechargeable stock prodder is a versatile tool to assist in the movement of stock through yards, onto and off trucks, and other areas of stock control.

- Tough, flexible polycarbonate shaft
- Strong connection between shaft and body
- Lightweight & easy to handle
- Powerful output
- Rechargeable – charge from 12V vehicle or mains, and no spare batteries required
- Approximately 1 hour of continuous use from a fully charged battery, more than enough to load a large stock vehicle
- Up to 4 hours operation based on 25% duty cycle
- Encapsulated electronics – protects against moisture and insects

3 sizes available: 500mm, 750mm & 1000mm

RP-500SHAFT - 250mm shaft = 500mm with handle

RP-750SHAFT - 500mm shaft = 750mm with handle

RP-1000SHAFT - 750mm shaft = 1000mm with handle



AUSTRALIAN MADE

Ag Scale Systems



T10-2000

T10 Indicator with 2000 kg loadbars (2 x 580mm bars)
Easy to set up and use with a large, easy to view display.
Only needs 4 x AA batteries.

Ideal for weighing livestock and produce all round the farm.



T30-2000

T30 Indicator with 2000 kg loadbars (2 x 580mm bars)
Weights can be collected and displayed on screen as statistics.

Animal weights can be drafted in 5 groups

Very portable, robust and easy to set up.



T10-3000

T10 Indicator with 3000 kg loadbars (2 x 1000mm Bars)
Ideal for setting up under cattle crushes.
Easy to weigh cattle or farm produce.

Strong structure of loadbars has been proven over many years.

T30-3000

T30 Indicator with the 3000 kg Loadbars
Ideal for setting up under cattle crushes or weigh bins.

Weights can be collected and displayed on screen as statistics

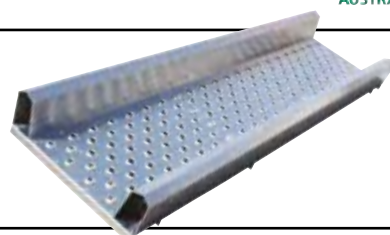
Can provide statistics on the mob.



CS-2A

Alloy Platform
2.2m X 0.65m

T10-CALF
T10 + Calf Weighing Platform-
500kg Capacity



Thunderbird loadbars are fitted with rodent protection mesh, cable hose protection, are of galvanized construction and use high quality o-ring sealed connectors

Ag Scale Specifications

INDICATOR		
FEATURES	T10	T30
Auto and Manual Tare	YES	YES
3 Weighing Modes	YES	YES
Sealed Weather resistant Keypad	YES	YES
Low Battery Indicator	YES	YES
Large easy to view display, 40mm Digits	YES	YES
Fast Stable Software	YES	YES
O-ring sealed case	YES	YES
Weigh and Hold function	YES	YES
Operates up to 30 hours on 4 x AA batteries	YES	YES
Lock (hold) Screen Display	YES	YES
Keypad Weight Calibration	YES	YES
Low Power Auto Function	YES	YES
2 YEARS Warranty	YES	YES
On screen statistics		YES
Drafting up to 5 weighs		YES
Statistics displayed on each drafting range		YES
Internal Battery and Recharger		YES
Manual Tally and Auto Tally		YES
External Power Connection		YES

Loadbar		
Specifications	Easymove Bars	Extender Bars
Portable use	YES	NO
Permanent use	YES	YES
Gross capacity KG	500/2000	3000
2 year Warranty	YES	YES
Bolt down plates	YES	YES
Cable protection	YES	YES

500 kg Loadbars

Thunderbird can supply (on request) 500kg loadbars, in a set of 2 bars, each 580mm long.

The 500 kg Load Bars are more sensitive to small weights and deliver a more accurate result, when weighing small articles.



Platforms and Crates



CS-2CE



Collapsible Weigh Crate Suitable for Sheep, Pigs and Goats

Collapsible design makes for easy portability
1200 x 580 x 1250mm.



CS-2P



Cattle Platform - Strong steel construction
expanded grid mesh
2050 x 640mm



CS-2C



Super Sheep Weigh Crate Auto rear closing gates,
Optional wheel kit

1450 x 580 x 1000mm



CS-2PG



Galvanised Cattle Platform—Hot dipped
galvanised finish for longer lasting

2050 x 640mm



CS-DRA

3way Draft Module
Drafts in 3 directions
Connects to the CS-2C
Sheep Crate
775 x 550 x 1040mm



CS-2P2

Two Piece Cattle Platform - Expanded grid mesh
Split/lock together
2000 x 640mm

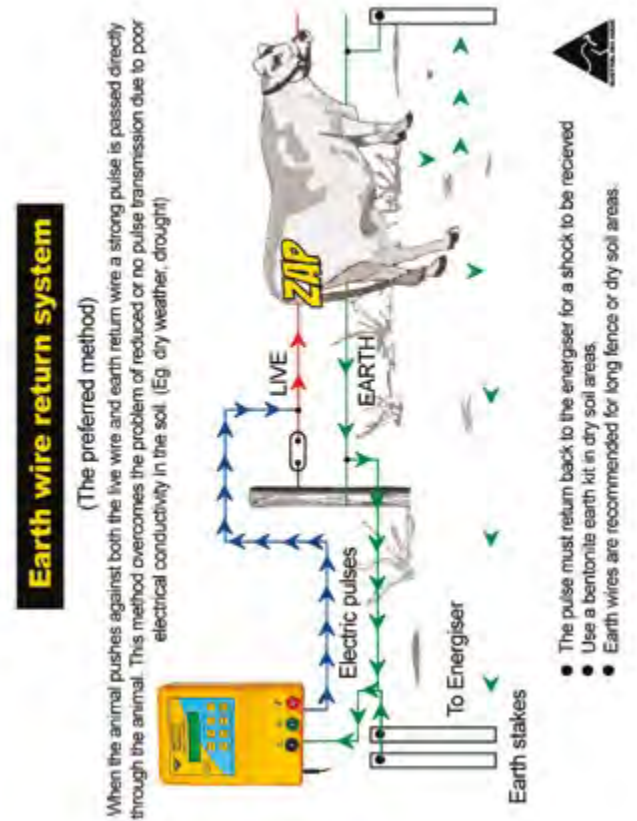
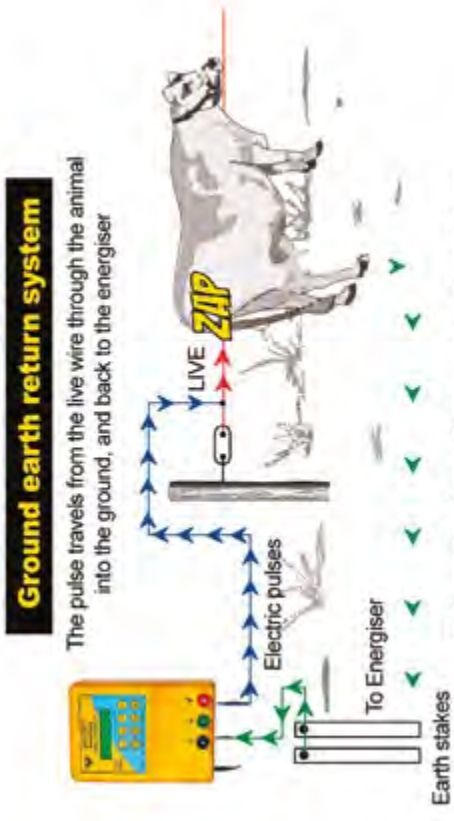


CS-WHEELS

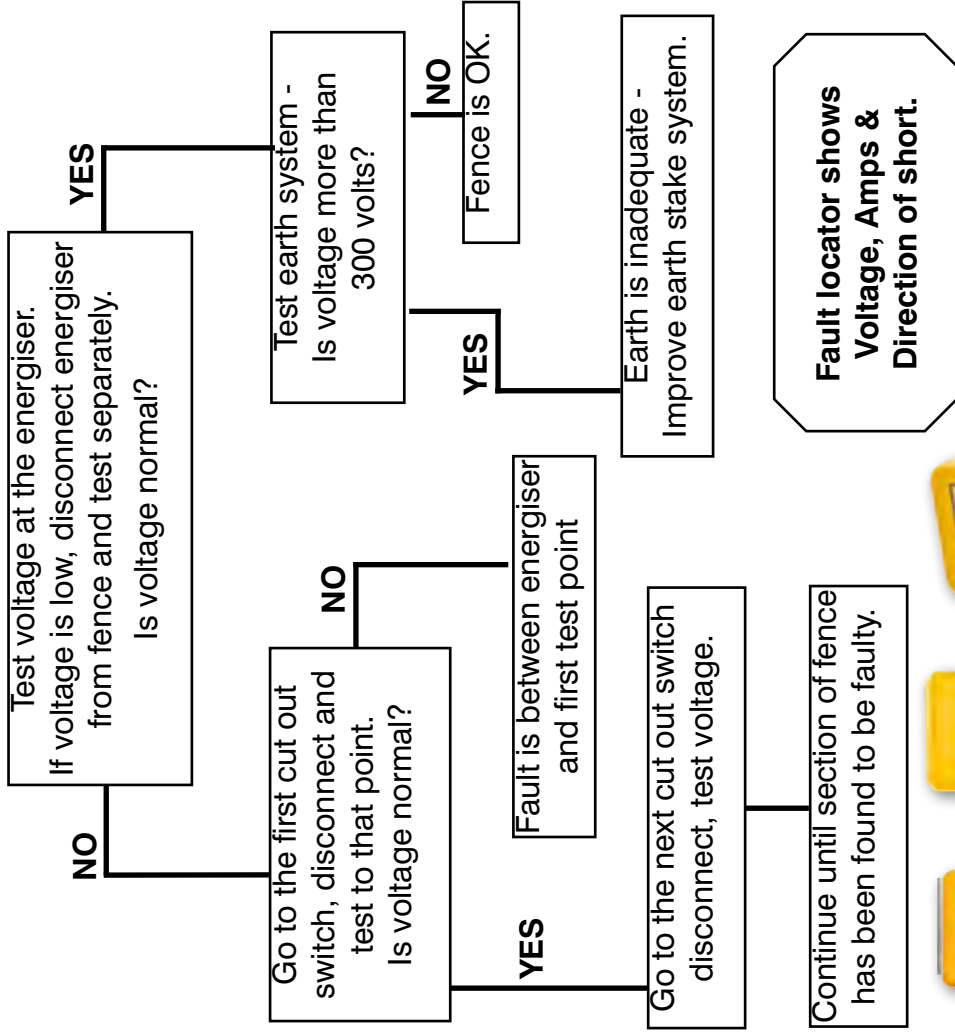
Attachable wheels and handles
for CS-2C sheep crate for
portability



Electric fence operation using different earth systems



Fence Testing / Fault Finding TEST PROCEDURE.

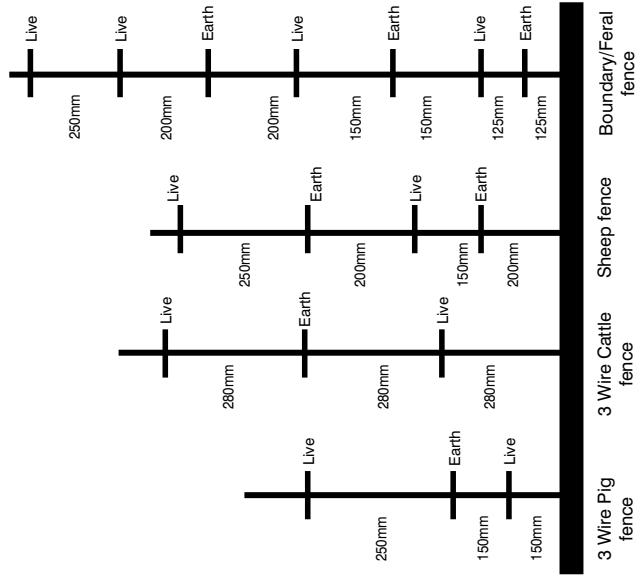


- No 5A Fault Locator
- No 8 Digital Volt Meter
- No 9 Lite Volt Tester

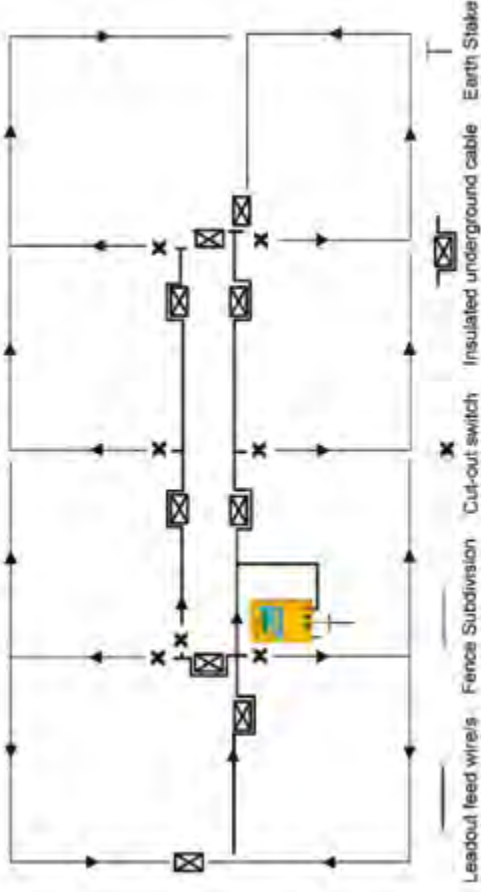
Fence Design

Recommended wire spacings for different animals.

Requirements may vary a little in some conditions.



Suggested basic layout for area of operation.



Use THUNDERBIRD double insulated underground cable buried to a depth of 300mm inside poly pipe for protection. Bend down poly pipe ends to avoid rainwater entering. This is done for both live and earth wires, using joint clamps on all connections. Cut out switches can be positioned at gateways to isolate fence runs.

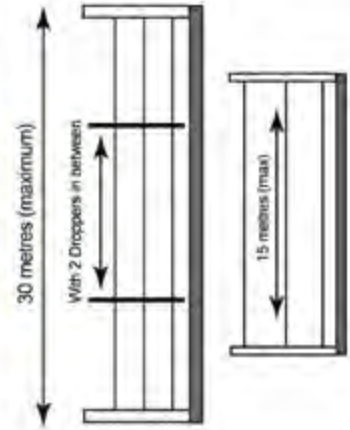
Wire Spacing

Post Spacing

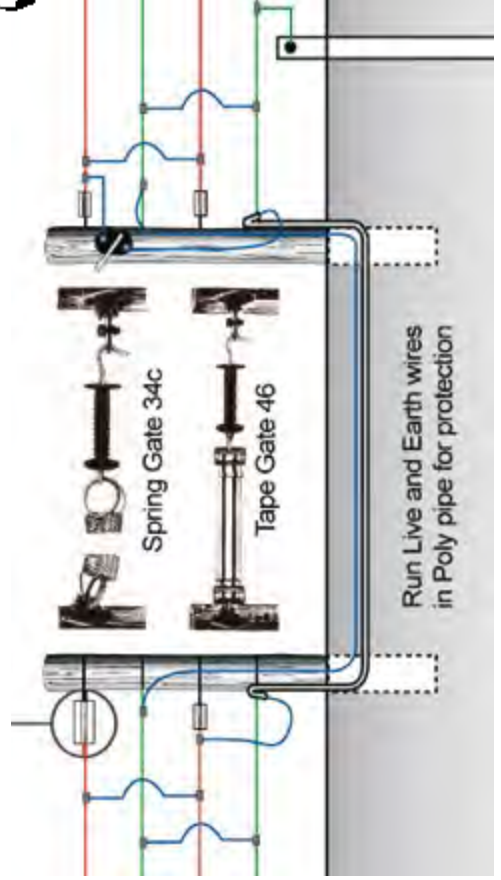
Posts spacing recommendations are for flat country (max). Reduce distance according to type of terrain.



Steel or wooden posts require insulators, or use fibreglass posts with clips.



Post Spacing



THUNDERBIRD



All specifications are subject to change without notice, as our company is committed to product improvements.

www.thunderbird.net.au

email : sales@thunderbird.net.au

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