Strainrite®
FENCING SYSTEMS

ELECTRIC FENCE FAULT FINDER

SHOWS DIRECTION OF FAULT

SHOWS PEAK VOLTAGE

SHOWS PEAK CURRENT

SCAN THE QR CODE FOR PRODUCT INFO

The Digital Electric Fence FAULT FINDER is the most technologically advanced electric fence fault finder available.
It features microprocessor and surface mount technologies to make it the easiest to use and most effective electric fence fault finding device ever made.

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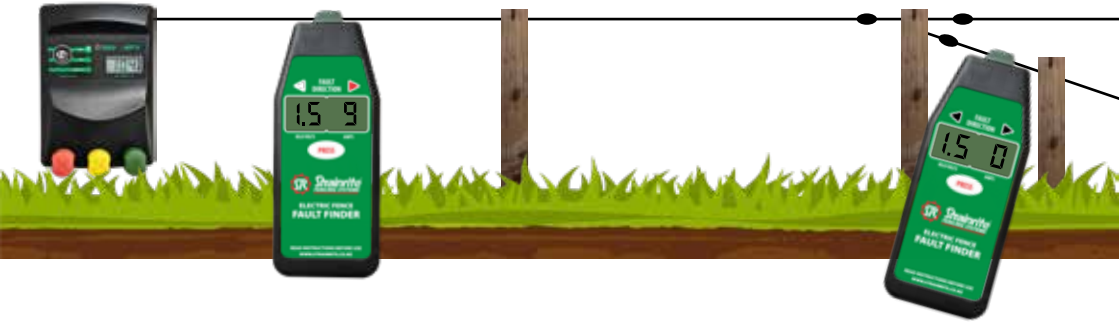
At the beginning of the fence
A fault is indicated.

1.5kV is lower than usual
9Ah is higher than usual
Red arrow says "This way"



TYPES OF FAULTS

There are two common types of faults on electric fences:

1. An OPEN CIRCUIT is where the live wire is broken. In the sections of fence after the break there will be NO voltage. These are relatively easy to find by testing the fence for voltage.

2. A SHORT CIRCUIT is where the live wire touches ground or an earth wire, or an insulator breaks down. This leads to a reduced voltage throughout the system and no (or little) voltage at and beyond the fault. When a SHORT circuit occurs a large amount of current flows through the live wires.

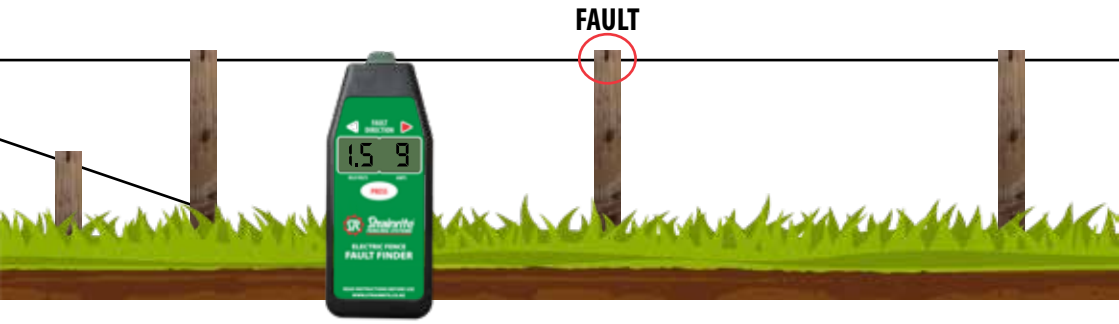
CHECKING YOUR FENCE

VOLTAGE: Use the FAULT FINDER to measure the voltage on the fence by placing the metal tip over the live wire and pressing the PRESS button. The reading is shown by the 2 digits on the left side of the display. If it is lower than usual then you may have a short circuit. To be an effective barrier the fence should read higher than 2.5 kV. For Bi-Polar Energizer users: A"+" sign in the middle of the LCD shows that the voltage polarity of the wire is positive. This is helpful in determining which of the two live wires you are testing in a Bi -Polar system.
CURRENT: The FAULT FINDER will also be measuring current flow in the fence when the PRESS button is pressed. Current flow is shown on the right side of the display. A higher than usual reading indicates that you may have a short circuit.

Take the time to "play" with the FAULT FINDER. Place pretend "faults" (short the live wire to

2 At each intersection check readings in each direction. No current and no arrows means not this way.

3 Keep following the direction arrow to the fault.



grounded metal) on your fence and "find" them. The experience will be invaluable when you come to find "real" faults. Get to know the "usual" current used by your fence and the "usual" voltages around the system. As a guide, usual current will be approximately 1 amp for every 4 kilometers of live wire. This will also depend on seasonal conditions such as grass and moisture.

FAULT FINDING TECHNIQUE

Always start close to the energizer - (But not within 30cm). Where the lead out wire connects to the fence is a good place to start. This way you will always start on the energizer side of a fault.

1. Place the metal tip over the lead out wire and press the PRESS button . If the voltage is lower than usual and the current is higher than usual you may have a short circuit. (see 'Checking your fence') The fault direction arrows will light when the Fault Finder calculates that the leakage (current) is worse (higher) than an acceptable value.
2. Follow the direction arrows towards the fault. Check the fence at regular intervals and at every side fence or intersection, also each side of joins and underground cables.
3. If the Fault Finder shows faults in more than one fence line or wire ALWAYS follow the direction with the worst (highest) current reading.

Note: For a multi-wire fence the current flow will be seen on the "feed" wire but not on the "blind" (dead-end) wires.

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ELECTRIC FENCE FAULT FINDER - PART CODE FEA00010

TROUBLE SHOOTING THE FAULT FINDER

The most common cause of problems with the Fault Finder is flat or poor quality batteries. If your Fault Finder fails to operate, shows no readings, or shows strange symbols on the display, check the battery. If you don't have a battery tester or meter fit a new (heavy duty or alkaline) battery and see if the problem disappears. Also see 'Unpacking and Checking'.

WARRANTY

The Fault Finder is covered by a 3 year warranty against defective parts (excluding batteries) or workmanship. Please see 'For assistance' if you have any problems, return the Fault Finder to your place of purchase along with the warranty slip included with your product.

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