CZ1000
CABLE PAIR IDENTIFICATION SET

The set comprises two main items, a Transmitter and a Search Probe (Receiver) This set is used to identify a pair of wires in Telephone/Network cable. The set is to be used only by trained service personnel.

The Transmitter is used to provide the cable pair under test with a tracing signal which the Probe can detect. Connecting the lead set to the transmitter will automatically turn it on. Similarly, disconnecting the lead set will turn it off. The crocodile clips or RJ connector on the Lead Set should be connected to the cable pair to be traced or identified.

The Probe is used to trace and identify the cable pair connected to the transmitter. The Probe is activated by pushing the button and will emit a warble tone when the tip of the Probe is in the vicinity of the cable under test. The wanted pair is that which produces the loudest signal. For confirmation, no signal will be heard when the probe tip is placed between the pair.

Correct connection to an active telephone circuit is indicated by the polarity light. This ensures a balanced connection and prevents signal spread throughout the cable pair. If the light is not lit simply reverse the lead connection.

Confirmation of correct pair identification can be achieved by shorting together the selected pair which in turn sets off an audible tone back at the transmitter.

SPECIFICATIONS:

Transmitter:	
Batteries:	2 type LR6 AA 1.5V batteries
Frequency:	1.5 KHz to 2.1 KHz warble tone
Output:	> 400 mV RMS into 600 Ω
Protection:	240V AC, 350V DC
Continuity:	< 35 kΩ

Probe:	
Batteries:	1 type 6LR61 9V battery
Sensitivity:	46dB gain input to earpiece
Output:	>70dB at 2048Hz at 200mm

Standards:	AS/NZ 60950
	CE
	IP 54
	AS 1099.2.31 -1990

Australia
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Cable Pair Identifier

AEGIS
QUALITY TEST EQUIPMENT
85 years
Est.1933

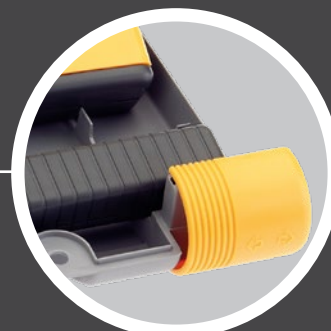# "*The famous Aegis F-set / Cable Pair Identifier*"

A unique "Plug and Use" design

The CZ1000 Cable Pair Identifier offers a simple solution for data & communications technicians, when conducting end to end cable pair identification. The CZ1000 has a unique "Plug and Use" design feature and is available with an optional earphone accessory.

The CZ1000 Cable Pair Identifier as been the industry standard for 20 years and it includes a carry case as standard with a line polarity indication for use on live networks with an inbuilt loudspeaker and is compatible with Australian designed and manufactured networks.

New features of the CZ1000 Cable Pair Identifier include a 240 V mains protection, Continuity buzzer (tone on short) and a modular plug / clips lead set.

The set comprises of two main items, a transmitter and search probe. The transmitter is connected to the cable to be traced to provide the tracing signal which the probe can detect. The probe is activated by push button switch.

Cable Pair Identifier

The CZ1000 Cable Pair Identifier is designed for finding conductors in multipair cabling applications.
A warble tone will be emitted when the tip of the probe is over the wanted pair. The tone may be heard either through he internal loudspeaker, or through an optional external earphone (Aegis Part No. CZ1250). The new tone on short feature gives confirmation of the identified pair by triggering an audible buzzer at the transmitter when the pair is shorted together.

01
The CZ1000 is supplied with a hard carry case which holds transmitter, probe, leads and operator instructions

02
The transmitter can be connected via the miniature croc clips or modular plug.

03
A warble tone will be emitted when the tip of the probe is over the wanted pair.

04
The transmitter is connected to the cable to be traced to provide the tracing signal which the probe can detect.

hard carry case

SPECIFICATIONS

1 — Transmitter

Frequency	1.5 KHz to 2.1 KHz tone
Output	> 400 mV RMS into 600 Ω
Protection	240V AC, 350V DC
Continuity	< 35 kΩ
Batteries	2 type LR6 AA 1.5V batteries

2 — Probe

Sensitivity	46 dB gain input to earpiece
Output	>70dB at 2048Hz at 200 mm
Batteries	1 type 6LR61 9V battery

3 — Physical

Dimensions	240 x 150 x 36mm (packed unit)
Weight	500 grams

Aegis has designed,

manufactured and supplied

Australian industry with test

equipment for more than 80 years

and we now services a wide range of

international customers in the data,

electrical, gas, telecommunications,

and water industries.

Maximising the efficiency

and effectiveness

of business.

Manufactured under a Quality System complying to ISO9001 : 2000 (QEC Lic 5948)

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