

PRODUCT DESCRIPTION

The CTS 132J comprises a High Power Tone Generator 600J, an Amplifier 109K, a Headset, a Capacitive Probe, which responds to Electrostatic Fields, (ideal for tracing wire pairs) an Inductive Search coil, which responds to Magnetic Fields, (ideal for cable tracing or identification) and associated connecting cables all supplied in weatherproof pouch.



FEATURES

Oscillator

- Balanced 1kHz Sine Wave Output
- Four Distinct Tone Cadences
- Continuity Test
- Transformer Coupled DC Path <math>< 10\Omega</math>
- Capacitor Coupled Non-DC Path O/P

Amplifier

- Adjustable Gain Control
- Headset Reduces External Noise
- High Tone Output
- Capacitive Probe for Pair Tracing
- Inductive Probe for Cable Tracing & Identification

Common Features

- Battery Low Warning
- Rugged Nautilus Designed Product:
 - *Crush Proof*
 - *Water Proof*
 - *Dust Proof*
 - *Chemical resistant*

BENEFITS

Due to its revolutionary design, the CTS 132J enables the user to:

- Trace underground cable routes
- Identify a specific cable within a duct with identical looking cables
- Identify cable pairs at any joint or Cross Connect along the route
- Identify Split pairs
- Identify pairs in which one wire is Open Circuit
- Identify the location of cable sheath faults where there is unwanted connection to earth
- Identify and pinpoint short circuits within a cable (not necessarily to earth).

CTS 132J Cable Tracing System

SPECIFICATIONS

Tone Generator 600J

Electrical:

Output Power (into 600Ω):	13dBm
Output Frequency (nominal):	1kHz±50Hz Sine-wave
Voltage Protection:	200VDC

Power Source:

Battery:	4 Alkaline 1.5V AA Cells
Battery Life (nominal):	>200 hours @ max cadence rate

Environment:

Operating Temperature:	-10°C to +55°C
Storage Temperature:	-20°C to +60°C
Relative Humidity:	0% - 95%

Physical:

Length:	153mm
Width:	54mm
Depth:	35mm
Weight:	266.6g

Warranty:

Three Years

Amplifier 109K

Electrical:

Gain range:	0 - 60dB
Input Impedance:	100MΩ
Frequency Range:	
Capacitive Probe:	880 - 1300Hz
Inductive Search Coil:	Tuned to 1kHz

Power Source:

Battery:	4 Alkaline 1.5V AA Cells
Battery Life (nominal):	500 hours

Environment:

Operating Temperature:	-10°C to +55°C
Storage Temperature:	-20°C to +60°C
Relative Humidity:	0% - 95%

Physical:

Length:	153mm
Width:	54mm
Depth:	35mm
Weight:	266.6g

Warranty:

Three Years

NAUTILUS RANGE



The Nautilus product range was designed to reduce whole life costs by having a 3-4 year operational life requiring virtually no maintenance or repair. Made from high strength polymer alloys, Nautilus products are tested to extremely high standards for robustness and performance to allow for the rigors of everyday use in extreme conditions. The designs incorporate patented technologies that allow the case to breathe and safeguard the functional elements from water, dust, impact and temperature changes.

The Nautilus range has been independently tested to ensure that the units operate in the harshest environments around the world - from Saharan sun to Alaskan winters. Products in the Nautilus range have been subjected to a variety of tests including free fall from up to 6m (20 ft), submerged in water for 30 minutes and temperature varying from -10 Deg C to +55 Deg C for 72 hours. They are also tested for vibration, shock, bump and impact.

