

Tempo Nautilus Toner Generator 600J

Product Images

Product Code: 600J



Short Description

Heavy duty tone generator, sealed to IP67 for use with the tone probe 500XP

Description

The unique Nautilus design characteristics deliver a Tone Generator with an operational life of more than double that of any other on the market. The Tone Generator 600J provides transformer coupled or capacitor coupled connection to the wire pair or cable under test.

Either configuration can be used to locate a wire pair or cable. The choice of output connection is of particular benefit when the pair is identified and testing back to the Tone Generator is required. Transformer coupled configuration allows for loop measurement through the TG 600J or fault location using bridge technology or TDR.

Capacitor coupled configuration allows for insulation resistance measurement at up to 200V without damage to the oscillator. The TG 600J is optimised to work with the narrow frequency response of Tempo Amplifiers 109K and 500XP.

FEATURES

- Balanced 1kHz Sine Wave Output
- Four Distinct Tone Signatures
- Continuity Test
- High Tone Output
- Battery Low Warning
- Transformer Coupled Output - DC Path
- Capacitor Coupled Output – No DC Path
- One Button Operation
- 3 Year Warranty
- Nautilus Design Characteristics:
 - Crush Proof
 - Water Proof
 - Dust Proof
 - Chemical resistant

The balanced 1kHz sinusoidal output maintains the design characteristics of the pair under test ensuring that the unwanted signal outside the pair is weak minimizing crosstalk to adjacent pairs. This becomes increasingly important when cables designed for the analogue era are used to carry digital traffic.

BENEFITS

- Reduce whole life costs for network operators
- Minimise crosstalk to adjacent pairs. Becoming important as more Digital Services are deployed
- Maintain the integrity of the wire pair under test whilst TG 600J connected
- Ability to take loop resistance measurements through TG 600J after pair identified at far end

- Ability to locate faults using bridge technology or TDR without having to remove tone source
- Capacitor coupling facilitates clearing of loop faults
- Tone on live circuits without drawing line current
- Able to be used on cable with up to 4 different engineers toning at same time

Electrical:

Output Power (into 600Ω): 13dBm

Output Frequency (nominal): 1kHz±50Hz

Voltage Protection: 200VDC

Power Source:

Battery: 4 Alkaline 1.5V AA Cells

Battery Life (nominal): >200 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: One Year

Also known as 87J

Ref: 315569