

PRODUCT 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 500J.



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

Tone Generator 600J (TG600J)

SPECIFICATIONS

Tone Generator 600J

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

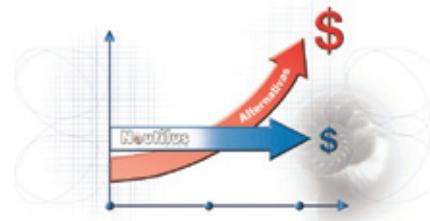
Warranty:

One Year

NAUTILUS RANGE

Nautilus

r a n g e



TG 600J together with the following Nautilus products were 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.

DigAlert™ 361



ADSL compatible
Test Telephone

DigAlert Probe



Digital services detection
without intervention

RCL 100



Remote Control Loop Tone
Disconnect Reconnect customer

TP 500J



1KHz Tone Tracer

Amp 109K



Includes Electrostatic and
Electromagnetic probes for wire pair
verification and Cable tracing

 **Tempo**[®]
A Textron Company
Knowledge. Solutions. Success.