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Test & Measurement

- > sales
- > rentals
- > calibration
- > repair
- > disposal

Complimentary Reference Material

This PDF has been made available as a complimentary service for you to assist in evaluating this model for your testing requirements.

TMG offers a wide range of test equipment solutions, from renting short to long term, buying refurbished and purchasing new. Financing options, such as Financial Rental, and Leasing are also available on application.

TMG will assist if you are unsure whether this model will suit your requirements.

Call TMG if you need to organise repair and/or calibrate your unit.

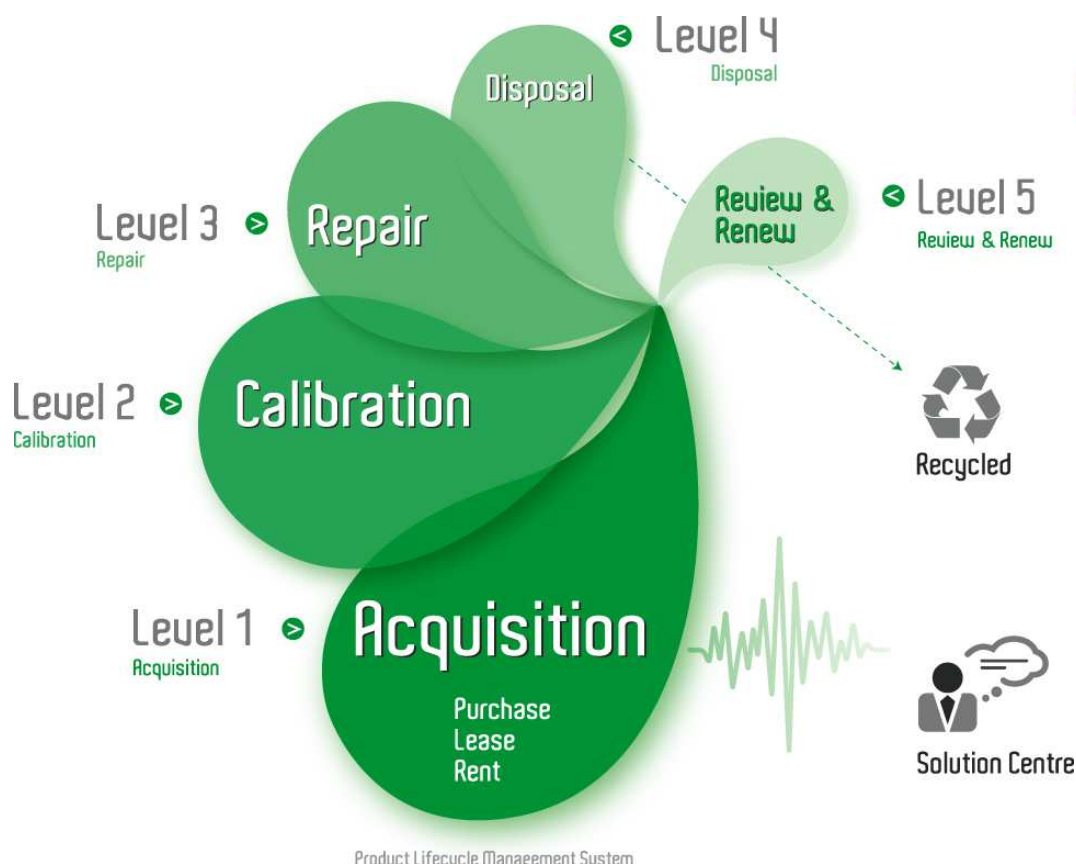
If you click on the "Click-to-Call" logo below, you can call us for FREE!

TMG Corporate Website

TMG Products Website



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1.2 SPECIFICATIONS

Physical Dimensions:

Height: 10.5 inches (267 mm)

Width: 9.75 inches (247.6 mm)

Depth: 5 inches (127 mm)

Weight: 8 lbs (3.6 kg)

Power: Lead acid or NiCad battery pack.

External Charging Power Supply:

Input: 110V or 220V (user specified)

Output: 10 to 18 VAC or VDC, 1A, 49 to 62 Hz,
CE approved if used in the European Union.

Environmental:

Operating temperature: 0°C (+32°F) to +50°C (+122°F)

Typical Operating temperature: -15°C (+5°F) to +60°C (+140°F)

Storage temperature: -20°C (-4°F) to +60°C (+140°F)

Humidity: 95% maximum relative humidity,
non-condensing.

Display:

128 X 256 dot-matrix, Liquid Crystal Display (LCD) with
Electroluminescent backlighting.

Distance Accuracy:

High Frequency (Short Range):

+/- .5ft (0.15 m) plus +/- .01% of reading.

Voice Frequency (Long Range):

+/- 30 ft (9 m) plus +/- .01% of reading.

Output Pulse:

Multiple adjustable output pulse widths. Amplitude is
less than +/- 20 volts.

Horizontal Resolution:

<2000 ft (610 m): <.25 ft (.07 m) at .99 VOP

<.07 ft (.02 m) at .30 VOP

>2000 ft (610 m): 1 ft (.10 m) at any VOP

330 usec resolution: 245 ft (74 m) at .078% VOP

Vertical Resolution: 17 bits with 93 dots displayed.

Vertical Sensitivity: Greater than 65 dB.

Output Connectors: Front Panel Female Banana Jack.

Serial I/O Port: RS-232

Maximum Range:

High Frequency (Short Range):

63,000 feet (19,400 meters) at .99 VOP

High Frequency (Short Range):

38,000 feet (11,700 meters) at .60 VOP

Voice Frequency (Long Range):

420,000 feet (130 km) at .078 VOP

*Range varies with VOP. Maximum testable cable lengths
varies with pulse width and cable type.*

Input Protection:

300 volts (AC+DC) from DC to 400 Hz and decreases to
10 volts at 1 MHz.

Auto Crosstalk: 2 digit crosstalk calculation at cursor set.

Auto dBRL: 2 digit auto dBRL calculation at cursor set.

Noise Filter:

Standard: Two averaging filters.

Optional: Multifunction/level filter routines.

Velocity of Propagation:

Keypad selection from .001 to .990 in .01 or .001 increments.

Waveform Storage: *All with 17 Bit vertical resolution.*

<u>Standard</u>	<u>Optional</u>	<u>Samples per waveform</u>
4	16	12,000
8	32	6,000
16	64	3,000

Accessories:

Standard: Battery pack, Battery charger, Operator's Manual, Shoulder strap, 2 Probes, WAVEVIEW for Windows software diskette.

Optional: Custom soft-side carrying case, Strand hooks kit, Additional waveform storage, Additional filtering, Extended warranty.

1.3 SAFETY INFORMATION

Symbols:



Caution: Refers to accompanying documents



Frame or chassis symbol

Warning

Any **Warning** sign identifies a procedure or process, which if not correctly followed, may result in personal injury.

Caution

Any **Caution** sign identifies a procedure or process, which if not correctly followed, may result in equipment damage or loss of data.