



ABN 43 064 478 842

> 231 osborne avenue clayton south, vic 3169  
PO box 1548, clayton south, vic 3169  
t 03 9265 7400 f 03 9558 0875  
freecall 1800 680 680  
www.tmgtestequipment.com.au

## 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.

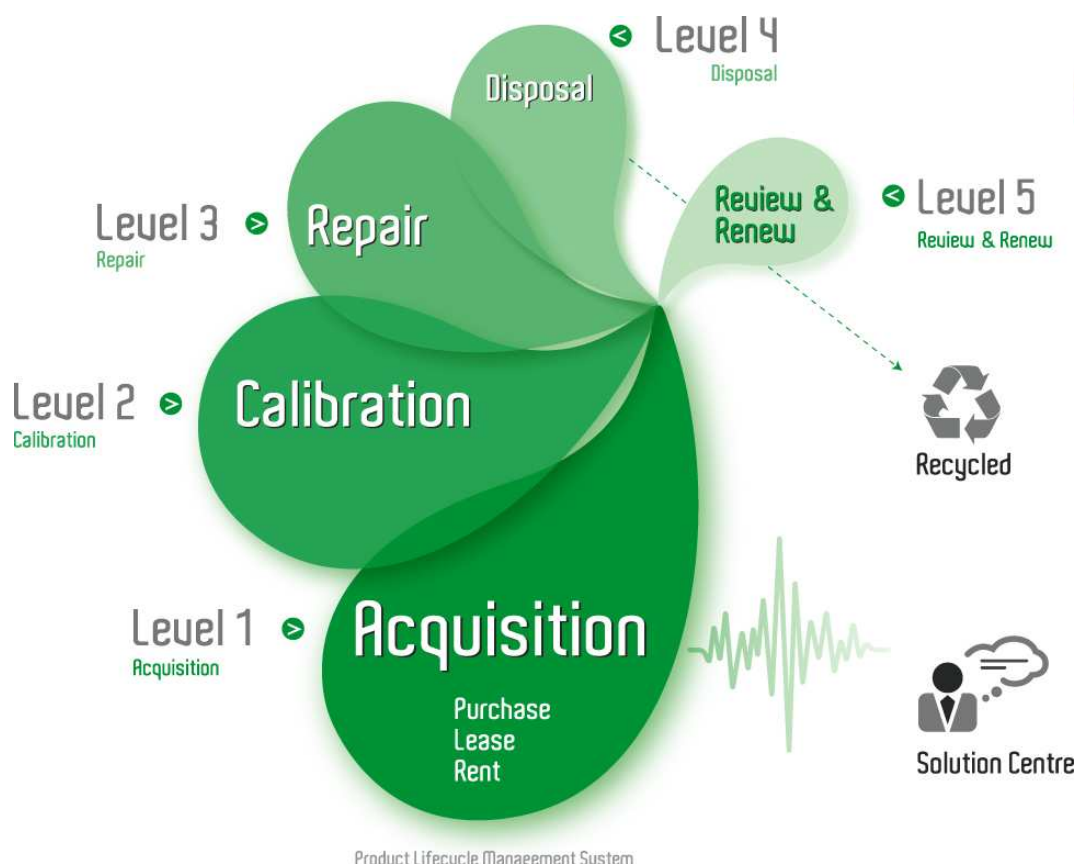
If you click on the "Click-to-Call" logo below, you can call us for FREE!

TMG Corporate Website

TMG Products Website



Click-to-Call  
TMG Now



### Disclaimer:

All trademarks appearing within this PDF are trademarks of their respective owners.



## The Lightwave TSD

The Digital Lightwave LW TSD is a compact hands-free talk set for single-mode fiber-optic communications.

The Digital Lightwave LW TSD™ (Talk Set—Dual) is an inexpensive solution for meeting your single-mode fiber-optic communication needs.

Designed for voice communication over spare fibers, the LW TSD talk sets—which are sold in pairs—provide full-duplex, hands-free operation. Ease of use and compact size allow the operator to focus on the task at hand, rather than operating the talk set.

The LW TSD model includes a multi-party communication feature, which provides the connection of two talk sets at a common site to extend the range or to include three or more persons in the conversation.



# The Lightwave TSD

The Lightwave (LW) product series is a comprehensive line of handheld and ultra-compact test equipment for measuring, maintaining, and documenting the physical-layer performance of fiber-optic networks.

## Optical Specifications

Wavelength	1550 nm
Dynamic Range	45 dB
Distance Range	
1310 nm-optimized single-mode fiber <sup>1</sup>	150 (typical) km <sup>1</sup>
1550 nm-optimized single-mode fiber <sup>2</sup>	180 (typical) km <sup>2</sup>
Fiber Type	SM
Connector	FC, SC, ST
Emitter Type	Laser
Emitter Classification	Class 1 (FDA CRF 21 and IEC 825)

## General Specifications

Power	4 AA alkaline batteries or AC adapter
Weight in Use	1.16 lb (0.52 kg)
Size (H x W x D)	7.3 x 4.4 x 1.8 in (18.5 x 11.1 x 4.6 cm)
Operating Temperature	0° to +50° C
Storage Temperature	-20° to +50° C
Relative Humidity	0 to 90% (non-condensing)

## Major Features

- Single fiber, full duplex
- 1550 nm single-mode model
- Field portable, hands-free operation
- Automatic connection
- Multi-party communication
- Digital technology

1. 0.4 dB/km @ 1310 nm, 0.3 dB/km @ 1550 nm.
  2. 0.5 dB/km @ 1310 nm, 0.25 dB/km @ 1550 nm.
- Specifications are subject to change without notice.



www.lightwave.com  
info@lightwave.com

United States/Caribbean  
15550 Lightwave Drive  
Clearwater, FL 33760  
Toll free: +1 877 442 DIGL  
T: +1 727 442 6677  
F: +1 727 442 5660

Europe/Middle East/Africa  
Eastway Enterprise Centre  
7 Paynes Park  
Hitchin Hertfordshire  
England SG5 1EH  
T: +44 (0) 1462 429719  
F: +44 (0) 1462 429760

Asia/Pacific Rim  
Digital Lightwave Asia Pacific Pty. Ltd.  
236 Balaclava Road  
Caulfield North, Victoria  
Australia 3161  
T: +61 3 9509 4610  
F: +61 3 9509 4615

Latin America  
Digital Lightwave Ltd.  
Rua Helade, 81  
Sao Paulo, Brazil 04634-000  
T: +55 11 5034 7277  
F: +55 11 5034 7424

**Ordering Information** For feature availability, ordering, and pricing information, call +1 727 442 6677 or visit [www.lightwave.com](http://www.lightwave.com).

Digital Lightwave provides industry-leading products, technologies, and services for deploying and managing communications networks. Telecommunications service providers and equipment manufacturers rely on our offerings to develop, install, maintain, and manage high-performance networks. With a presence in more than 80 countries, Digital Lightwave enables customers to successfully implement optical-based networks worldwide. To find the nearest sales office, please visit [www.lightwave.com](http://www.lightwave.com).