



L|A|S|E|R|E|Q|U|I|P|M|E|N|T<sup>®</sup>

## LQ-TMG 2 Handheld Transmission Measurement for Plastics

- Comprehensive quality assurance
- Robust handheld technology
- Excellent wavelength measurement for laser plastics welding

# Perfect Quality Assurance

The optical transmission quality of the plastic parts is a critical factor in the quality of the weld seam during the plastic welding process. This value can fluctuate greatly based on many variables, such as compound mix or the injection molding process, so regular testing of optical transmission is an important aspect of quality control.

The LQ-TMG 2 requires no calibration. It simply compares the amount of energy transmitted without a sample to the amount of energy transmitted through a sample.

For best results, the LQ-TMG 2 (patent pending) is designed for flexibility in the placement of samples, and is well suited for the use of adapters and work jigs. This permits consistent placement, producing consistent results.

The battery-operated LQ-TMG 2 is a class 1M laser device, completely portable and requiring no additional safety precautions. The sturdy die cast aluminium housing is strong enough for the most challenging production environments.



## Applications

- Inspection of laser welding components
- Injection molding quality assurance
- Plastics welding feasibility studies
- Inline process sampling

## Features

- Optically-controlled laser diode stabilizes operation
- Fiber-optic coupled beam creates rotationally symmetric intensity profiles
- Infinitely flexible for custom adapters and jigs
- Sturdy die cast aluminium housing
- Easy one-handed operation



Color pattern

Technical Data LQ-TMG 2	
Laser class	1M
Wavelength	850 nm
Power supply	9V battery
Measurement accuracy	0.1 %
Aperture diameter	1.5 mm
Aperture focus-diameter	~0.4 mm

LPKF Laser & Electronics AG  
Plastic Welding Division  
Gundstraße 15  
D-91056 Erlangen  
Germany

Phone +49 (0) 91 31-6 16 57-10  
Fax +49 (0) 91 31-6 16 57-77

info@laserequipment.de  
www.laserequipment.com

LPKF-Distributor

Magyarországon forgalmazza:  
**PANNONCAD KFT.**  
1155 BUDAPEST, DEMBINSZKY U. 1.  
TEL.: 305-0250 FAX: 305-0249  
www.pannoncad.hu