

Professional Transmittance Measurement for Plastics

LPKF TMG 3S

- Official measuring device with certified reference standard
- Fully traceable calibration
- Reliable results within a few seconds
- Successfully installed and verified at hundreds of customer sites
- Improved accessibility, particularly for complex 3D-shaped parts
- Integration and Automation possible via designated interface



Calibration in cooperation with:



LPKF

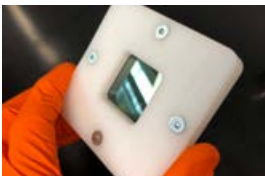
Benchmark for Transmittance Measurements

The optical transmittance of a plastic part is crucial for the quality of the welded joint. This material property can be influenced by the upstream processes of compounding and injection molding. A quick and easy test of the optical transmittance prior to laser plastic welding is an essential part of integrated quality assurance.



A Must for Every Quality Engineer

- Official calibrated measuring device with certified reference standard
- Best suited for quality assurance of the preceding compounding or injection moulding process
- Insensitive to surrounding light interferences
- Stand-alone operation device (tabletop system) with LPKF TMG 3S software
- Detects transmittance fluctuations between components with an accuracy of <1%
- LPKF test laboratory and procedures IATF 16949 compliant



Optionally available:
Reference glass filter
for inhouse checking of
transmittance values

LPKF TMG 3S

Laser class	1
Laser wavelength	980 nm
Power supply	5 V DC via USB
Interfaces	USB, RS232
Diameter of the sensor aperture	3 mm
Focus diameter of the laser beam	~ 1.2 mm
Precision	≤ 1 % transmittance (in ref. operating state)
Dimensions (W x H x D)	220 mm x 257 mm x 295 mm
Weight	3.5 kg



Made in Germany

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