

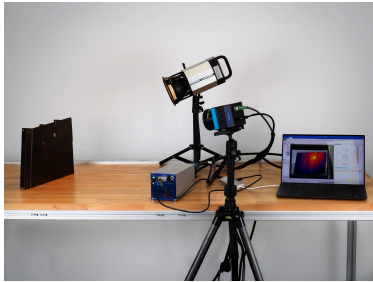
OTVIS 3600

Compact system for flexible lock-in thermography



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Powerful large-area inspection in a compact design. OTvis 3600 is a flexible system for optically excited lock-in thermography. Two halogen lamps enable non-contact inspection of larger areas, while the integrated signal generator keeps the overall system setup particularly compact.

The system is especially suitable for inspecting CFRP and other fiber-reinforced composites. Delaminations, impact damage, inclusions, porosity and defects in adhesive bonds can be reliably visualized. Its portable setup makes OTvis 3600 suitable for changing inspection tasks in production and maintenance as well as for laboratory applications.

YOUR ADVANTAGES AT A GLANCE

Compact system design: Integrated signal generator reduces additional hardware and simplifies the inspection setup

Flexible large-area inspection: Two halogen lamps enable non-contact testing of larger component areas

Depth-resolved defect detection: Delaminations, inclusions and other hidden defects become visible through their influence on heat flow

Versatile applications: Suitable for composites, adhesive bonds, corrosion inspection and wall thickness measurement

Easy to transport: Compact components and transport bag support use at different inspection locations

Reproducible evaluation: DisplayImg enables software-based phase image analysis and documentation of inspection results

TECHNICAL INFORMATION

INSPECTION METHOD:	Optically excited lock-in thermography
CONTROLLER:	— OTvis Controller ELC 3M — Maximum output power: 3.6 kW — 2 lamp outputs — Max. 1.8 kW per output
HALOGEN LAMPS:	— 2 × EHL2000 — Rated power: 2.0 kW per lamp — Parabolic reflector — Homogeneous illumination of large areas
LAMP SAFETY:	— Safety glass — Overheating protection — Integrated fan
SIGNAL GENERATOR:	Integrated in ELC 3M
INTERFACES:	— USB-C host interface — D-Sub 15P camera trigger — M8 synchronization interface — 24 V DC camera power supply
POWER SUPPLY:	— 230 V AC, single-phase — 50/60 Hz — Max. 16 A
CONTROLLER: DIMENSIONS / WEIGHT:	— 166 × 105 × 105 mm — 2 kg
LAMP: DIMENSIONS / WEIGHT:	— 305 × 145 × 145 mm — 3 kg per lamp
OPERATING CONDITIONS:	— Controller: 5 °C to 40 °C — Lamps: -15 °C to +40 °C
PROTECTION CLASS:	Class I
SOFTWARE:	DisplayImg Professional, OTvis module
SPARE PARTS / ACCESSORIES:	— 2 kW replacement illuminant for EHL, 240 V, GY16, 3200 K, Ø 400 h lifetime — Borosilicate filter glass, 2 mm, Ø 130 mm, optimized for CFRP inspection — Extension cables, 5 m

ACCESSORIES



EDECAM

High-speed LWIR infrared camera for active thermography

OTVIS 3600



DISPLAYIMG SOFTWARE

Modular software platform for thermography and automated inspection



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