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Technical data sheet
ML-74SI-808-400

Pulse self-propelling laser with measurement synchronization output

Technical data	
Module is equipped with laser diode pulse controller for generation of IR light pulses with frequency specified by internal self-propelling generator, also allowing for synchronization of detection device.	
Safety class	3B acc. to PN-EN 60825-1:2014
Wave length	λ = 808 nm ± 10 nm
Laser pulse output power	Po~400mW
Pulse width	~200ns
Power supply	9 VDC ± 0.5 V
Current consumption	< 50 mA
Laser output beam diameter	4.3 mm ± 0.5 mm
Beam divergence	< 10 mrad
Factory focusing length	1.5 m ± 0.02 m (external focus adjustment mechanism)
Housing and dimensions	Aluminium housing, black , ϕ 20 mm x 132 mm
Cable	TLWY 2 x 0.124, length: 0.2 m ±0.01 m
Cable labeling	
Protection against damage due to connection of reverse polarization power supply	
Universal mains power supply	Uwy=9VDC/1.2A, DC-jack 5.5x2.1 mm
Synchronization output	TTL; negative pulse, BNC joint
Laser activation delay with reference to front slope of synchronizing pulse	~80ns
Laser deactivation delay with reference to back slope of synchronizing pulse	~50ns
Pulse generation frequency	~1kHz
Positive pole of power supply is galvanically connected with laser housing.	
Guarantee	2 years