

Technical data sheet ML-74SI-850-2000

Self-propelling pulse 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	$\lambda = 850 \text{ nm} \pm 10 \text{ nm}$
Laser pulse output power	$P_o \sim 2000 \text{ mW}$
Pulse width	15 VDC \pm 5 V, DC-jack 5.5x2.1mm
Power supply	< 50 mA
Current consumption	4.3 mm \pm 0.5 mm
Laser output beam diameter	< 70x2 mrad
Beam divergence	1.5 m \pm 0.02 m (external focus adjustment mechanism)
Factory focusing length	Aluminium housing, black, ϕ 20 mm x 132 mm
Housing and dimensions	TLWY 2 x 0.124, length: 0.2 m \pm 0.01 m
Cable	
Synchronization output	TTL; negative pulse, BNC joint
Laser activation delay with reference to front slope of synchronizing pulse	$\sim 80 \text{ ns}$
Laser deactivation delay with reference to back slope of synchronizing pulse	$\sim 50 \text{ ns}$
Pulse generation frequency	$\sim 1 \text{ kHz}$
Laser circuits galvanically insulated from laser housing.	
Guarantee	2 years