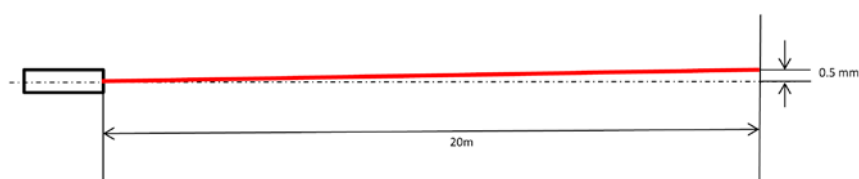


Precision Laser Modules LT-PLM Series

The precision laser modules of the LT-PLM series are precisely aligned and adjusted dot lasers for alignment tasks. The laser beam is dot-shaped (not elliptical) and deviates after a distance of 20 m by less than 1 mm from the mechanical axis of the housing.



Characteristics

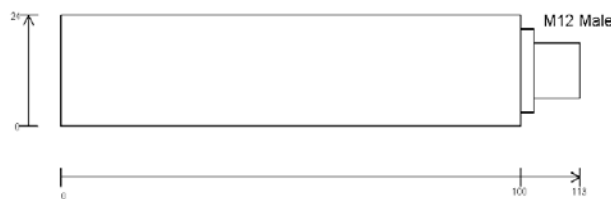
- Axis of laser beam and mechanical axis of housing in the same line
- Circular beam profile
- No laser safety eyewear required
- H6 fit
- Broad supply voltage range (LT-PLM-635-01)
- Integrated rechargeable battery for 10 hours independent and cable-free laser power (LT-PLM-IRB-635-01)

Applications

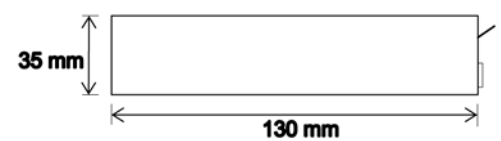
- Alignment of machines
- Straightness test of crabs and carriages
- Concentricity test of rotating parts
- Aiming or positioning tasks

Specifications

Typ	LT-PLM-635-01		LT-PLM-IRB-635-01	
Wavelength	635 nm		635 nm	
Output Power	1 mW		1 mW	
Laser Class	2		2	
Beam Profile	circular, collimated		circular, collimated	
Beam Divergence	~ 0.2 mrad		~ 0.2 mrad	
Warm Up Time	~ 10 min		~ 10 min	
Beam Pointing Error	0.05 mrad		0.05 mrad	
Supply Voltage	4.5-30 VDC			
Rechargeable Battery Capacity			400 mAh	
Operating time			10 h	
Current Consumption	~50 mA			
Connector	M12 male (Pin 1: + / Pin 3: GND)			
Housing	Aluminum, black anodised, isolated		Aluminum, black anodised, isolated	
Dimensions	100 mm length, 24 mm diameter h6 fit		130 mm length, 35 mm diameter h6 fit	
Operating Temperature	-10°C to + 50°C		-10°C to +50°C	
Options	Other wavelengths Higher output powers Adjustable output power			
Accessories	Power Supply Battery Pack Connecting cable			
Scope of delivery	Precision laser module Carrying case		Precision laser module Battery charger Carrying case	



LT-PLM-635-01



LT-PLM-IRB-635-01

M12 Power Supply and Battery Pack

LT-PLM-PS: Universal power supply for 100-240 Volts AC

This Power Supply can be used worldwide with all laser modules having a M12 connector. It is not to be used with other equipment than specified.

LT-PLM-PS Power Supply

Content of Delivery	Power Supply, 4x plug adapter (Europe, UK, USA, Japan)
Operating Voltage	100-240 VAC / 50-60 Hz
Output Voltage	7.5 VDC
Output Current	300 mA
Cable Length	1.8m
Connector	M12 female (Pin 1: + / Pin 3: GND)
Operating Temperature	-20°C to + 60°C



LT-PLM-AP: Battery pack for mobile applications

This battery pack power supply can be used in mobile applications with all laser modules having a M12 connector. It is not to be used with other equipment than specified. The battery pack and the Charger are designed for indoor use only.

LT-PLM-AP battery pack

Content of Delivery	battery pack, charger, M12 cable
Input Voltage	230 VAC
Output Voltage	4.8 VDC
Capacity	2400 mAh
Operating Temperature	-20°C to + 60°C
Connector	M12 (Pin 1: + / Pin 3: GND)
Cable Length	2 m
Dimensions	80 mm x 75 mm x 30 mm

