

LMC-Lm-xxxx-xxx Series

LMC-LBm-xxxx-xxx Series

Laser Doppler Sensors for Length and Speed Measuring

Benefits

- 0 Speed (only LMC-LB Series)
- Automatic Direction Detection (only LMC-LB Series)
- Accuracy: Better than 0.05%
- Repeatability: Better than 0.02%
- >1ms Material/Object Detection
- Non-Contact: No Slippage, No Marking, Any Color
- No Moving Parts: No Wear
- Industrial Design for Harsh Factory Environments
- Easy Integration: Modern Communications
- Easy to Use: Bright Clear Displays
- Reduce Downtime: Continual Use Reliability
- Excellent Value: Low Cost of Ownership



High accuracy & non contact

The LMC- Lm /LBm Series directly replaces traditional, high maintenance, problematic contact wheel and roller type devices with accurate "state-of-the-art" laser Doppler technology.

Most modern and fastest sensor available

Extremely easy to install, integrate and use. Production processes relating to woven's, non-woven's, paper, plastic film, tapes, timber, wood, flooring materials, labelling, textiles, rubber and synthetics are all well suited for Doppler measuring technology. Accurate speed and length measurement reduces scrap, increases uptime and improves material yield, through elimination of product "Give Away" or "Short Length" claims.

Interfaces

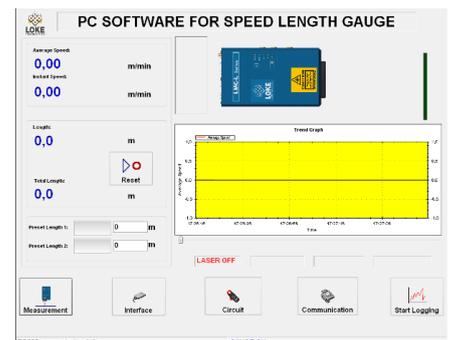
Integration has never been easier. Select from Standard Communications or choose from a wide range of factory fitted Optional Communications to meet your needs. Connect to your existing indicator / display devices, PLC or PC.

- Standard Interfaces: EtherNet TCP/IP, RS232, 2x Pulse output or 1x Quadrature Pulse
- Optional Interfaces: Profibus, ProfiNet, DeviceNet, EtherNetIP

Software

Our included setup software helps to simplify installation, communication and setup.

Free adjustable log files for additional information's or debugging can be stored and/or exported to Excel.



Technical details



	LMC-Lm-120-020	LMC-Lm-0300-060	LMC-LBm-0120-020	LMC-LB-0300-060
Min. Speed	0.1 m/min	0.25 m/min	0 m/min	0 m/min
Max. Speed	5000 m/min	5000 m/min	±5000 m/min	±5000 m/min
Depth of Field	25 mm	60 mm	20 mm	60 mm
Stand off Distance	120 mm	300 mm	120 mm	300 mm
Accuracy	Better than 0.05%			
Repeatability	Better than 0.02%			
Acceleration Rate	> 1000 ms ²			
Measurement Rate	200000/sec			
Max. Output Rate	50000/sec			
Update Rate	0.02 ms			
Object Detection	< 1ms			
Spot Size	4 mm			
Speed Units	0/min, ft/min			
Length Units	m, ft, yd			
Standard Interfaces	RS232, Ethernet TCP/IP, 2x Pulse Outputs or 1x Quadrature Output , freely programmable Pulse Rate ≤ 1MHz			
Optional Interfaces	(replaced Ethernet TCP/IP interface) ProfiBus, ProfiNet, DeviceNet, EtherNetIP			
Digital Inputs	Laser, enable, Shutter enable, 3 programmable Inputs			
Digital Outputs	Shutter status, 2 programmable Outputs			
Display communications	CAN Bus for external Display, Diagnostic LCD display integrated			
Laser classification	Class 3B			
Gauge Power	24 VDC @ 8W			
Gauge Size (L x W x H)	140 x 105 x 50 mm			
Gage Weight	Approx. 3.5 kg			
Temperature Range	0 – 45 °C			
Protection Rating	IP67			

Many more options available



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