

Datasheet

- Reliable measurements on dark surfaces – even under solar radiation during outdoor operations
- Accuracy ± 3 mm or ± 1.5 mm
- Measuring range 0.05...~100 m, ~0.5...500 m respectively
- Max. measuring rate 50 Hz
- Serial interfaces
- Digital inputs and outputs (standard)
- Further functions can be configured by the customer
- Optional interfaces on request:
PROFIBUS (external),
PROFINET, EtherNet/IP, EtherCAT



Mechanical Data

Type	DEH-30-500	
Dimensions (L x W x H)	140 x 78 x 48 mm	
Laser	visible, red (Laser Class 2, <1mW)	
Laser dot		
at 10 m	7 x 3 mm	
at 50 m	28 x 13 mm	
at 100 m	55 x 30 mm	
Material		
Housing	aluminium	
Weight	350 g	
Measuring range		
on natural surfaces	0.05...~100 m	
on reflecting foil	~0.5...500 m	
Accuracy	± 3 mm [at $\pm 2 \sigma$]	± 1.5 mm [at $\pm 1 \sigma$]
Repeatability	± 0.7 mm [at $\pm 2 \sigma$]	± 0.35 mm [at $\pm 1 \sigma$]
Operating temperature	-10°C ... +60°C	
IP rating	IP65	

Electrical Data

Type	DEH-30-500	
Power supply	12 ... 30 VDC	
Power consumption	0.15 A [at 24 VDC]	
Max. measuring rate	100 Hz	
Max. output rate	100 Hz	
Connection	internal screw terminals	
Interfaces		
Standard	1 digital input, programmable Serial interfaces: RS-232; RS422 / RS485; SSI 1 digital output / error display (NPN, PNP, Push-Pull) 1 USB, only for configuration	
Optional	PROFIBUS (external), PROFINET, EtherNet/IP, EtherCAT	

