	DPE-10-500	DPE-30-500	DEN-10-500	DEH-30-500	DAE-10-050	DAN-10-150	DAN-30-150	DBN-50-050
PARTNUMBER	500630	500636	500637	500638	500633	500632	500634	500635
SPECIFICATION								
Typical accuracy @ ± 2σ (@ ± 1σ)	± 1 (± 0.5) mm	± 3 (± 1.5) mm	± 1 (± 0.5) mm	± 3 (± 1.5) mm	± 1 (± 0.5) mm	± 1 (± 0.5) mm	± 3 (± 1.5) mm	± 5 (± 2.5) mm
Typical repeatability @ ± 2σ (@ ± 1σ)	± 0.3 (± 0.15) mm	± 0.7 (± 0.35) mm	± 0.3 (± 0.15) mm	± 0.7 (± 0.35) mm	± 0.3 (± 0.15) mm	± 0.3 (± 0.15) mm	± 0.7 (± 0.35) mm	± 1.8 (± 0.9) mm
Measuring range on natural surfaces	0.05...~100 m	0.05...~100 m	0.05...~100 m	0.05...~100 m	0.05...~50 m	0.05...~100 m	0.05...~100 m	0.05...~50m
Measuring range on reflective foil	~0.5...500 m	~0.5...500 m	~0.5...500 m	~0.5...500 m	~40...50 m	~40...150 m	~40...150 m	
Max. measuring rate	250 Hz	250 Hz	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz	10 Hz
Max. output rate	1 kHz	1kHz	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz	10 Hz
Operating temperature	-40...+60°C	-40...+60°C	-10...+50°C	-10... +60°C	-40...+60°C	-10...+50°C	-10...+50°C	-10...+50°C
Degree of protection	IP65	IP65	IP65	IP 65	IP65	IP65	IP65	IP65
Power supply, voltage range	12...30 VDC	12...30 VDC	12...30 VDC	12...30 VDC	12...30 VDC	12...30 VDC	12...30 VDC	12...30 VDC
Current consumption @ 24 VDC	0.5 A	0.5 A	0.15 A	0.15 A	0.5 A	0.15 A	0.15 A	0.15 A
Laser red, visible (Laser Class 2, <1mW)	✓	✓	✓	✓	✓	✓	✓	✓
Typical diameter of laser dot @ 10, 50, 100m.	7 x 3; 28 x 13; 55 x 30 mm	7 x 3; 28 x 13; 55 x 30 mm	7 x 3; 28 x 13; 55 x 30 mm	7 x 3; 28 x 13; 55 x 30 mm	7 x 3; 28 x 13; 55 x 30 mm	7 x 3; 28 x 13; 55 x 30 mm	7 x 3; 28 x 13; 55 x 30 mm	7 x 3; 28 x 13; 55 x 30 mm
Dimension (L x W x H)	140 x 78 x 48 mm	140 x 78 x 48 mm	140 x 78 x 48 mm	140 x 78 x 48 mm	140 x 78 x 48 mm	140 x 78 x 48 mm	140 x 78 x 48 mm	140 x 78 x 48 mm
Weight	350 g	350 g	350 g	350 g	350 g	350 g	350 g	350 g
INTERFACES								
Analog output, programmable	0/4...20 mA	0/4...20 mA	0/4...20 mA	-	0/4...20 mA	0/4...20 mA	0/4...20 mA	0/4...20 mA
Max. error analog output	± 0.1 %	± 0.1 %	± 0.1 %	-	± 0.1 %	± 0.1 %	± 0.1 %	± 0.2 %
Digital input, programmable	1	1	1	1	1	1	1	1
Digital output, programmable / digital error output	2 / 1	2 / 1	2 / 1	0 / 1	2 / 1	2 / 1	2 / 1	2 / 1
Digital output type, programmable								
NPN / PNP / Push-Pull	✓	✓	✓	✓	✓	✓	✓	✓
RS-232	✓	✓	✓	✓	✓	✓	✓	✓
RS-422 / RS-485	✓	✓	✓	✓	✓	✓	✓	
SSI, programmable	✓	✓	✓	✓	✓	✓	✓	
USB, configuration only	✓	✓	✓	✓	✓	✓	✓	✓
Optional								
PROFIBUS (external)	✓	✓	✓	✓	✓	✓	✓	
PROFINET / EtherNet/IP / EtherCAT	✓	✓	✓	✓	✓	✓	✓	
CONNECTION								
Internal screw terminals	✓	✓	✓	✓	✓	✓	✓	✓
FEATURES								
Automatic mode for stand-alone operation	✓	✓	✓	✓	✓	✓	✓	✓
Direct connectivity of an external display	✓	✓	✓	✓	✓	✓	✓	✓
User distance offset / gain, programmable	✓	✓	✓	✓	✓	✓	✓	✓
Filter functions, programmable	✓	✓	✓	✓	✓	✓	✓	✓
Adjustable measurement behaviour	✓	✓	✓	✓	✓	✓	✓	✓
Programmable device ID	✓	✓	✓	✓	✓	✓	✓	✓
Trigger functionality	✓	✓	✓	✓	✓	✓	✓	✓