

## Technical Specifications:

## LDS 400 / ... versions / time of flight measurement

	<b>/ 4</b>	<b>/ 7</b>	<b>/ 20</b>	<b>/ 100</b>
measurement range: (300 ... mm)	≤ 4000 mm reflection (18-90 %)	≤ 7000 mm reflection (18-90 %)	≤ 20 m on reflector (340 x 200)	≤ 100 m on reflector (340 x 200) mm
resolution (digital)	0,9 mm	0,6 mm	0,6 mm	6 mm
repeatability [mm]	2 / 6 mm normal / fast	± 7	± 10 mm normal ± 12 mm fast	20 mm normal 30 mm fast
linearity %	0,3	0,3	0,25	0,3
output-hysteresis	± 2,5 mm	± 2,5 mm	± 12,5 mm	± 20 mm
response time	5 ms (normal); 1 ms (fast)		5 ms (normal); 1 ms (fast)	5 ms (normal); 1 ms (fast)
switching frequency	100 / 500 Hz	85 Hz	100 / 500 Hz	100 / 500 Hz
interfaces	2 x PNP or 2 x NPN RS 485 4-20 mA	2 x PNP or 2 x NPN RS 485 4-20 mA	2 x PNP or 2 x NPN RS 485 4-20 mA	2 x PNP or 2 x NPN RS 485 4-20 mA
connector	M12 - 8-polig	M12 - 8-polig	M12 - 8-polig	M12 - 8-polig
operating temperature	-20°C bis +50°C	-20°C bis +50°C	-20°C bis +50°C	-20°C bis +50°C
storage temperature	-30°C bis +75°C	-30°C bis +7 5°C	-30°C bis +75°C	-30°C bis +75°C
temperature drift	± 0,6 mm / C°	± 0,6 mm / C°	± 1,5 mm / C°	± 2 mm / C°
order code: 1065_____	PNP NPN -2680 -2683	PNP NPN -3365 -3366	PNP NPN -3042 -3043	PNP NPN -3044 -3045

### Applications:

Distance measurement on: steel, plastic, crane, timber, paper, tunneling/mining, railway, storage technology, container handling, automatic doors, warehouse technology, ....

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