

## Laser Distance Sensors Serie LDS 500

<u>Measurement principle:</u>	Time of flight with temperature compensation* (absolute measurement system with measurement reference details) Laser red light, diameter of light spot 4 - 40 mm
<u>Advantage:</u>	High measuring accuracy $\pm 1,5$ mm at a high temperature range
<u>Disadvantage:</u>	Low switching frequency (6,6 Hz on white surface) response time: 0,15 sec best price / quality relation

Types: LDS 500 / ...	/ 30	/ 15	/ 30 H	/ 15 H
Measuring range:	50 mm - 500 m	=	=	=
Accuracy* ( $2\sigma$ ):	$\pm 3$ mm	$\pm 1,5$ mm	$\pm 3$ mm	$\pm 1,5$ mm
Resolution:	0,1 mm	0,1 mm	0,1 mm	0,1 mm
Diameter of Reflector: (for big distances)	210 x 297 mm (white painted)	=	=	=
Temperature range:	-10°C to +50°C	-10°C to +50°C	(-40°C to +50°C)	(-10°C to +50°C)
Outputs:	RS 232, 422 0/4 - 20 mA 2 Switching outputs 4 status indications Ext. Trigger	=	=	=
Power supply:	10 V - 30 V DC IP 65	=	24 - 30 V DC	24 - 30 V DC
measurement range: 18 - 90% surfaces without reflector	approx. 50 m	approx. 50 m	approx. 50 m	approx. 50 m
Price	1.248,-- €	1.418,-- €	1.418,-- €	1.547,-- €