

design: 182x96x50

dif. reflection sensor sensing range 0.2 ... 30m

- ✓ housing material: corrosion-resistant aluminium strand casting
- ✓ glass lens
- ✓ easy alignment by means of visible laser
- ✓ class 2 laser
- ✓ analog- and switching output, separately programmable
- ✓ measuring range on all natural surfaces 30m, with additional reflectors up to more than 100m
- ✓ resolution of the measured values 0.1mm
- ✓ output of the measurands via data interface RS232/RS422



applications:

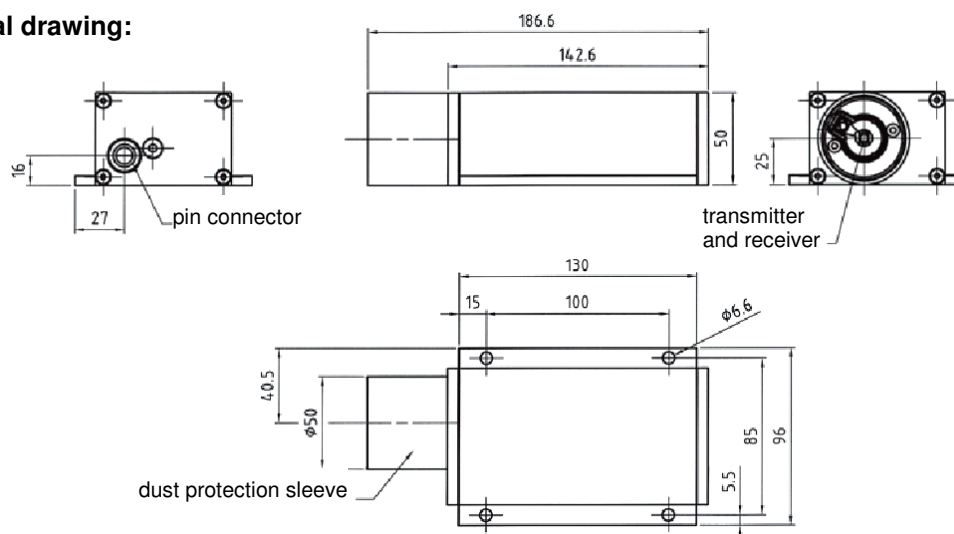
- ▶ control of conveying- and crane systems
- ▶ distance measurement / position recognition
- ▶ measurement of filling levels
- ▶ position control of moving objects

technical data

DC

operating voltage	10 ... 30V DC, reverse polarity protected
measuring range	0.2 ... 30m on natural surfaces, depending on reflectivity coefficient more than 100m possible
measuring accuracy	+/- 3mm at distance range 0.2 ... 30m
resolution of measured values	0.1mm, free scaleable
measuring rate	typical 5Hz (up to 10Hz possible)
digital switching output	programmable switching threshold and hysteresis, high-side switches up to 0.5A current rating, short-circuit protected
analog output	4 ... 20mA, programmable distance limits
laser divergency	0.6mrad
operating temperature	-10 ... +50 °C
connection	interface-fixed cable
power consumption	< 0.4W at standby, < 1W at distance tracking
data interface	RS232 / RS422 optional
transmitting element	laser diode red, 650nm
system of protection (EN 60529)	IP65

dimensional drawing:



article-no.: PT98A305

Warning: Never use these devices in applications where the safety of a person depends on their functionality!