

design 20 x 44 x 25mm

sensing range adjustable 25 ... 35mm
35 ... 65mm
65 ... 135mm

- ✓ solid aluminum housing
- ✓ configurable external input
- ✓ very small beam diameter
- ✓ excellent linearity
- ✓ switching output with window function
- ✓ analog output

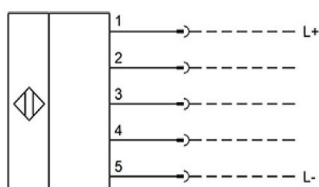


LCD-display
easy-to-use navigation



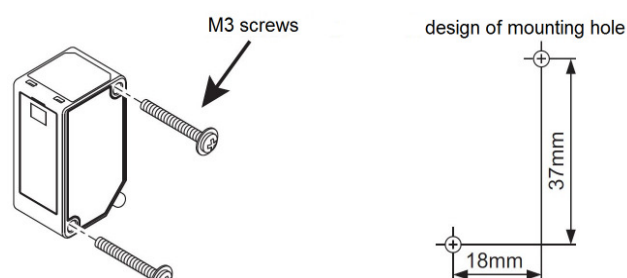
technical data	PT440300	PT440301	PT440302
operating range	25 ... 35mm	35 ... 65mm	65 ... 135mm
beam diameter	~50µm	~70µm	~120µm
repeat accuracy	~10µm	~30µm	~70µm
operating voltage	12 ... 24V DC ±10%		
output current	max. 50mA		
current consumption (without load)	max. 40mA at 24V DC / max. 60mA at 12V DC		
response time	selectable 1.5ms / 5ms / 10ms		
transmitting element / wavelength	laser / 655nm		
linearity	±0.1% of scale end value		
temperature dependency	0.03% of scale end value / °C		
output	pnp		
output function	normally open / normally closed selectable		
analog output	0 ... 5 V		
degree of protection (EN 60529)	IP 67		
air humidity	35 to 85% relative air humidity		
ambient illumination	incandescent light: max 3000lx		
operating temperature	-10 °C ... +45 °C		
storage temperature	-20 °C ... +60 °C		
connection	cable 2m, 5 x 0.2mm², shielded		
housing material	aluminum diecast		
front screen material	acrylic		

connection



1	L+	br	brown
2	ext. input	rs	pink
3	pnp/npn, no/nc	bk	black
4	analog output 0-5v DC	gr	grey
5	L-	bl	blue

mounting



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