



Technical details

Speed measuring range:	Model A: 12 – 3000m/min 0,2 – 50 m/s Model B: ± 3.000m/min ± 50 m/s
Length measuring range:	unlimited
Input / output :	standard: pulses status and parameter via RS 485 option: all industrial interfaces via PC
Value of length pulses:	Model A ~10 µm pulses, no quadrature signal ~40 µm * n (n = 1 - 255) quadrature pulses Model B ~10 µm quadrature pulses ~40 µm * n (n = 1 - 255) quadrature pulses
Voltage of pulses	5 V supply by the user between 5 and 24 V
Accuracy	+/- 0.05%
Repeatability	+/- 0.01%
Resolution	ca. 10 µm
Stand-off distance	1000 mm standard, optional 500 – 2000 mm
Depth of field	+/- 50 mm at 1000 mm stand-off
Laser light source	5 mW He/Ne- Laser tube 632.8nm, red, visible
Lifetime of laser	minimum 5 years
Power supply	110/240 V, 50/60 Hz
Ambient temperature range	Sensor: 0 – 40° C without cooling PKE: 5 – 40° C
Cooling for sensor if t > 40°	C 3 l/min, liquid at max. 30° C pH neutral no particles > 100 µm pressure max. 6 bar
IP rating	Sensor IP 67 PKE IP 65
Air quality for air wipe	Dried plant air 10 m³/h, free of water and oil no particles > 8µm
Air quality in the beam path	clean - free of dust, steam or water