

With serial output for target value input or transmission of the actual value





Features at a glance









- Programmable electronic position indicator combinable with magnetic band for linear measurement and fieldbus interface for accurate adjustment control of spindles.
- All parameters are freely programmable.
- LCD with two rows with backlight for target- and actual value.
- Suitable for semi-automatic and monitored adjustments of spindles.
- Freely programmable via keyboard operation with RS485 Modbus interface.
- RS485 Modbus for network connection with PLC or remote monitoring system.
- User guidance via 2 signal LEDs (green/red) to indicate: position has been reached / not reached.
- PUR-sensor cable suitable for mobile laying in cable chains
- Fieldbus connection via gateway interface: Profinet, EtherNet/IP, EtherCat and Powerlink.
- Battery lifetime: 6 to 8 years.

Mechanical characteristics

Weight	150 g (only display)			
Dianlass	LCD with backlight, digit height 7,5 mm			
Display	First row: target value - second row: actual value			
Display range	-99999; +99999			
Speed	Max. 2,5 m/s			
Sensor cable	PUR-cable, Ø5,5 mm – pre-wired, not detachable,			
	for mobile laying in cable chains; cable length: 0.5, 1, 3, 5 or 10 meters			
Operating temperature	0°C to +50°C			
Relative humidity	35 to 85% (no condensation)			
Protection class	IP54 display, IP67 sensor			
Connection type	T-connector, 4-pole plug + 4-pole socket M12x1 (A-coded)			
/serial connection	Y-connector, 4-pole socket 2x M12x1 (A-coded), optional			
Power supply	Cable length 135 mm (with T-connector)			
/serial output	Cable length 200 mm (with Y-connector)			

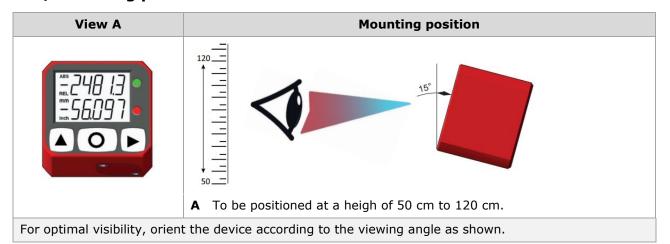
Electrical characteristics

Power supply	10-30 VDC, max. 100 mA		
Battery	3,6 V- 1/2 AA, lifetime 6-8 years		
Available functions	Reset, absolute/ incremental value,		
	mm/ inch-conversion, offset		
Keyboard	Frontal keyboard – 3 programming- and function keys		
Serial port	RS485 - MODBUS RTU		
Electromagnetic compatibility (EMC)	2014/30/UE		
RoHS	2011/65/UE		

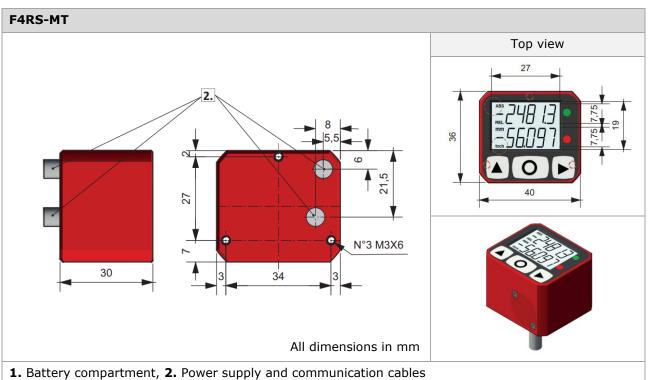
Willtec Messtechnik ek, Eschenweg 4, 79232 March-Hugstetten, Fon:07665/93465-0 Fax:07665/93465-22

<u>Datasheet</u>

View / Mounting position



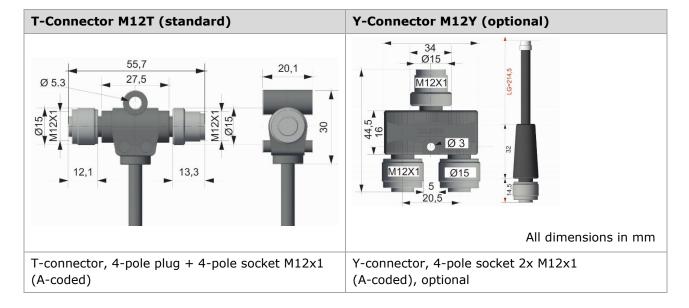
Dimensions Position indicator



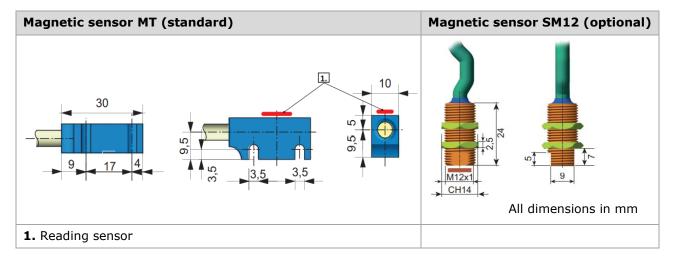
lilltec Messtechnik eK

Datasheet

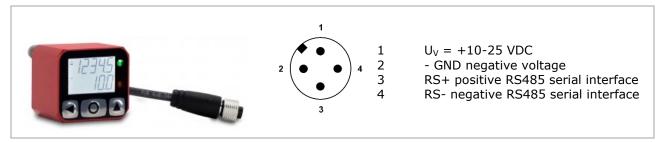
Dimensions Connector



Dimensions Magnetic sensor



Sensor-power supply cable



Position indicator with sensor-power supply cable M12 4-pole (thread connector) / pin

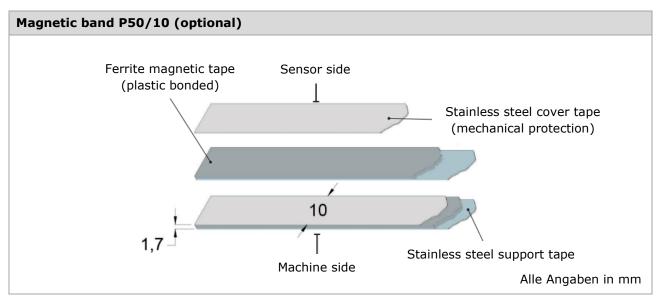
Datasheet

Magnetic band



Combinable with magnetic band for linear measurement Type **P50/10** (optional), on request.

Dimensions Magnetic band



Fieldbus connectivity



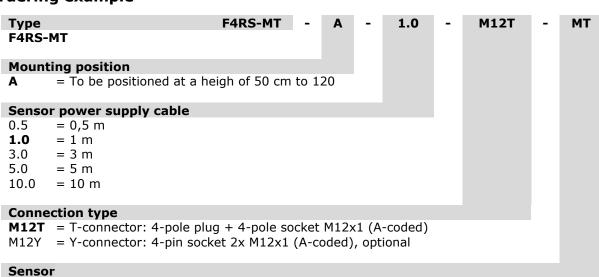
Willtec Messtechnik ek, Eschenweg 4, 79232 March-Hugstetten, Fon:07665/93465-0 Fax:07665/93465-22 info@willtec.de www.willtec.de

Control

Datasheet

Ordering example

MT (standard) SM12 (optional)



Ordering example Magnetic band P50/10 (optional)

P50/10 **Type** P50/10 = magnetic band, pole pitch 5 mm, 10 mm width, incl. stainless steel cover tape

Length of magnetic tape at least 30 cm, then multiples of 50 cm. Other lengths available on request.

Ordering example GATEWAY-EP4-F4 for fieldbus connectivity (optional)

Туре	GATEWAY-E	P4-F4	-	PROFINET		
GATEWAY-EP4-F4 = Gateway for position indicators						
Fieldbus						
PROFINET	= Profinet					
ETHERNETIP	= EtherNet/IP					
ETHERCAT	= EtherCat					
POWERLINK	= Ethernet Powerlink					

Manufacturer:



Without prior notice, the products may be subject to modifications that the Manufacturer reserves to introduce as deemed necessary for their improvement.

F4RS-MT DB 2022 02

Willtec Messtechnik ek, Eschenweg 4, 79232 March-Hugstetten, Fon:07665/93465-0 Fax:07665/93465-22