

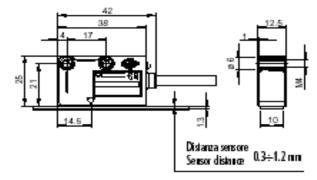
The linear magnetic measuring system	READING TRANSDUCER SPECIFICATIONS			
TM+MP200 is composed by the magnetic	TYPE	TM10C/TM10E	TM100C/TM100E	
transducer <b>TM</b> and the magnetic band <b>MP200</b> :	Reading resolution	0.1 mm	0.01 mm	
The transducer works contactless, releaving	Accuracy	± 0.1 mm/m	± 0.05 mm/m	
the polarized fields of the magnetic band and	Electronic zero pulse	each 4 mm (type C) or matching with		
converting the measure into digital signals.		external magnet (type E)		
The system can be profitably employed in	Frequency	300 KHz		
severe industrial environments, in presence of	Sensor distance	0.3 ÷ 1.2 mm		
water, oil, grease. The mounting method is	Phase difference	90° ± 5° electrical degree		
easy and cheap and the measure is accurate	Max. speed	12 m/s		
and repeatable.	Vibration resistance	(55 Hz ÷ 2 KHz) at 300 m/s <sup>2</sup>		
The scanning head <b>TM</b> is contained in a	Shock resistance	1000 m/s <sup>2</sup> (11 m/s)		
compact and strong metal case, and it is	Protection degree	IP67		
available with reading resolution 0.1 mm	Operating temperature	0 ÷ 50° C		
( <b>TM10</b> ) or 0.01 mm ( <b>TM100</b> ).	Stocking temperature	-20° ÷ 80 C°		
An electronic zero pulse is generated each 4	Humidity	100% non condensed		
mm (type TM10C/TM100C), o matching with	Supply	5/28 Vdc ±5% 60 mA no load		
one or more external magnets	Output signals	push-pull or line-driver		
(TM10E/TM100E).	Standard cable	length 2 m		
Complying with CE standards	Electrical protections	for the supply: aga	inst polarity inversions	
		for the outputs: a	against short circuits	
MAGNETIC BAND MP200 MAGNETIC BAND SPECIFICATIONS				
The magnetic band MP200 consists of a	Pole pitch	2 + 2 mm		
plasto-ferrite strip, which is polarized at regular	Accuracy	±50 μm/m		
distance, and supported by a stainless steel	Width	10 mm		
carrier; it is equipped with the adhesive tape for	Thickness	1.3 mm		
an easy mounting.	Max. lentgh	50 m		
As an optional, the magnetic band can be	Thermal expansion	10.5x10 <sup>-6</sup> °C <sup>-1</sup> ref.t=20°C±0.1°C		
supplied with a magnetically transparent	Operating temperature		70°C	
oupplied with a magnetically transparent	oporating tomporation	0 -		

-20° ÷ 80°C

## DIMENSIONS

Magnetic Transducer TM + Magnetic Band MP200

stainless steel cover for physical protection.



Stocking temperature

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