# **GEFRAN**

## **PME12**

# RECTILINEAR DISPLACEMENT TRANSDUCER WITH MAGNETIC DRAG

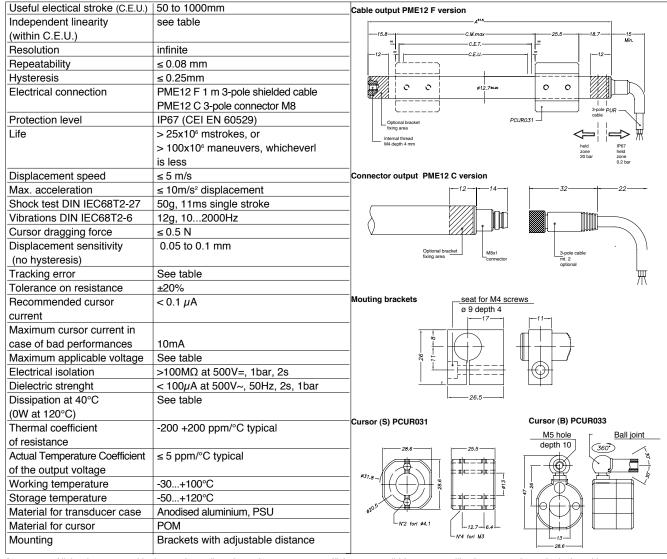


### Main features

- Rectilinear displacement transducer without drag shaft, completely water-tight (IP67), designed to work in humid environments (CEI EN 60529)
- The PME series has an external magnetic actuator linked to an internal measurement cursor
- The magnetic cursor replaces the drag shaft used in traditional displacement transducers, making the instrument even more compact
- Installation is made simpler because there is no variation in the electrical output signal outside the Theoretical Electrical Stroke
- The instrument can be used in compressed air applications with max. working pressure of 20 bar.

# TECHNICAL DATA

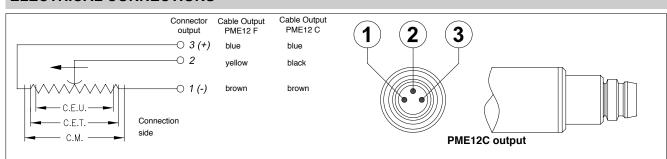
### **MECHANICAL DIMENSION**



Important: All the data reported in the catalogue linearity and temperature coefficients are valid for sensor utilization as a ratiometric device with a max. current across the cursor circuit Ic  $\leq 0.1~\mu A$ .

MECHANICAL / ELECTRICAL DATA																					
MODEL		50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000
Useful electrical stroke (C.E.U.) + 1 / -0	mm		Model																		
Theoretical electrical stroke (C.E.T.) ± 1	mm		C.E.U. + 1																		
Resistance (C.E.T.)	kΩ	5						10						20							
Independent linearity (within C.E.U.)	±%	0,1						0,05													
Dissipation at 40°C (0W at 120°C)	W	1	1 2 3																		
Max applicable voltage	V	40 60																			
Mechanical stroke CM	mm	C.E.U. + 5																			
Case Lenght (A)	mm		C.E.U. + 65																		

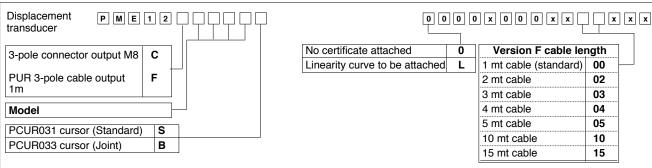
### **ELECTRICAL CONNECTIONS**



### INSTALLATION INSTRUCTIONS

- Make the specified electrical connections (DO NOT use the transducer as a variable resistance)
- When calibrating the transducer, be careful to set the stroke so that the output does not drop below 1% or rise above 99% of the voltage level.

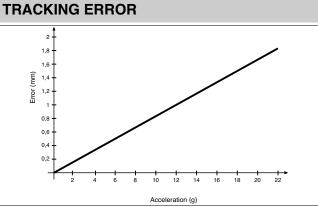
### **ORDER CODE**



### Ex.:PME-12-F-0400-S 0000X000XX00XXX

PME 12 displacement transducer, cable output, useful electrical stroke (C.E.U.) 400 mm, PCUR031 cursor, no certificate attached, cable length 1 m.

# ACCESSORIES PME mounting kit, brackets (2 pieces included in the confection) Standard magnetic cursor or (1 pieces included in the confection) Jointed magnetic cursor (1 pieces included in the confection) ACCESSORIES (on request) Female connector + 2 m wired PVC cable CAV010



GEFRAN spa reserves the right to make any kind of design or functional modification at any moment without prior notice

