Product information

Inductive probe Millimar P2001 M

Product features

- · Compact design
- Plain bearing guide
- High linearity over the entire measuring range
- Excellent electromagnetic shielding (EMC)
- Chemical resistance data: resistant to oil, gasoline, water and aliphatic compounds.
 Moderately resistant to acids, bases, solvents and ozone

Package contains

test certificate, instruction manual



Item no.: **5323040**Technical data

Measuring range from Measuring range up to-0.5Measuring force (N)0.75 N +/- 0,15 NIncrease in measuring force0.1 N/mmSensitivity deviation0.3Repeatability fw (μm)0.15Measuring value hysteresis fu (μm)0.2Linearity deviation within +/- 0,1 mm1.5Linearity deviation within +/- 0,5 mm1.5IP protection categoryIP 40Cable length2.5Working temperature20Working temperature MIN10Working temperature MAX40Operating temperature Max40Operating temperature Max40Storage temperature MIN-10Storage temperature MAX80Temperature coefficient0.15CompatibilityMahr VLDT		
Measuring force (N)0,75 N +/- 0,15 NIncrease in measuring force0,1 N/mmSensitivity deviation0.3Repeatability fw (μm)0.15Measuring value hysteresis fu (μm)0.2Linearity deviation within +/- 0,1 mm1.5Linearity deviation within +/- 0,5 mm1.5IP protection categoryIP 40Cable length2.5Working temperature20Working temperature MIN10Working temperature MAX40Operating temperature Max40Storage temperature MIN-10Storage temperature MAX80Temperature coefficient0.15	Measuring range from	-0.5
Increase in measuring force Sensitivity deviation Repeatability fw (µm) 0.15 Measuring value hysteresis fu (µm) Linearity deviation within +/- 0,1 mm Linearity deviation within +/- 0,5 mm IP protection category Cable length 2.5 Working temperature Working temperature MIN Vorking temperature MAX Operating temperature Max Operating temperature Max Storage temperature MIN Storage temperature MAX Temperature coefficient 0.15	Measuring range up to	0.5
Sensitivity deviation 0.3 Repeatability fw (µm) 0.15 Measuring value hysteresis fu (µm) Linearity deviation within +/- 0,1 0.6 mm Linearity deviation within +/- 0,5 1.5 mm IP protection category IP 40 Cable length 2.5 Working temperature 20 Working temperature MIN 10 Working temperature MAX 40 Operating temperature Max 40 Operating temperature Max 40 Storage temperature MIN -10 Storage temperature MAX 80 Temperature coefficient 0.15	Measuring force (N)	0,75 N +/- 0,15 N
Repeatability fw (µm) Measuring value hysteresis fu (µm) Linearity deviation within +/- 0,1 0.6 mm Linearity deviation within +/- 0,5 1.5 IP protection category IP 40 Cable length 2.5 Working temperature 20 Working temperature MIN 10 Working temperature MAX 40 Operating temperature Min 10 Operating temperature Max 40 Storage temperature MIN -10 Storage temperature MAX 80 Temperature coefficient 0.15	Increase in measuring force	0,1 N/mm
Measuring value hysteresis fu (µm) Linearity deviation within +/- 0,1 0.6 mm Linearity deviation within +/- 0,5 1.5 mm IP protection category IP 40 Cable length 2.5 Working temperature 20 Working temperature MIN 10 Working temperature MAX 40 Operating temperature Max 40 Storage temperature MIN -10 Storage temperature MAX 80 Temperature coefficient 0.15	Sensitivity deviation	0.3
(µm) Linearity deviation within +/- 0,1 mm 0.6 Linearity deviation within +/- 0,5 mm 1.5 IP protection category IP 40 Cable length 2.5 Working temperature 20 Working temperature MIN 10 Working temperature MAX 40 Operating temperature Min 10 Operating temperature Max 40 Storage temperature MIN -10 Storage temperature MAX 80 Temperature coefficient 0.15	Repeatability fw (µm)	0.15
mm Linearity deviation within +/- 0,5 mm IP protection category Cable length 2.5 Working temperature 20 Working temperature MIN 10 Working temperature MAX 40 Operating temperature Min 10 Operating temperature Max 40 Storage temperature MIN -10 Storage temperature MAX 80 Temperature coefficient -1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	-	0.2
mm IP protection category Cable length 2.5 Working temperature 20 Working temperature MIN 10 Working temperature MAX 40 Operating temperature Min 10 Operating temperature Max 40 Storage temperature MIN 10 Storage temperature MAX 80 Temperature coefficient 0.15		0.6
Cable length 2.5 Working temperature 20 Working temperature MIN 10 Working temperature MAX 40 Operating temperature Min 10 Operating temperature Max 40 Storage temperature MIN -10 Storage temperature MAX 80 Temperature coefficient 0.15		1.5
Working temperature 20 Working temperature MIN 10 Working temperature MAX 40 Operating temperature Min 10 Operating temperature Max 40 Storage temperature MIN -10 Storage temperature MAX 80 Temperature coefficient 0.15	IP protection category	IP 40
Working temperature MIN 10 Working temperature MAX 40 Operating temperature Min 10 Operating temperature Max 40 Storage temperature MIN -10 Storage temperature MAX 80 Temperature coefficient 0.15	Cable length	2.5
Working temperature MAX 40 Operating temperature Min 10 Operating temperature Max 40 Storage temperature MIN -10 Storage temperature MAX 80 Temperature coefficient 0.15	Working temperature	20
Operating temperature Min Operating temperature Max 40 Storage temperature MIN Storage temperature MAX 80 Temperature coefficient 0.15	Working temperature MIN	10
Operating temperature Max 40 Storage temperature MIN -10 Storage temperature MAX 80 Temperature coefficient 0.15	Working temperature MAX	40
Storage temperature MIN -10 Storage temperature MAX 80 Temperature coefficient 0.15	Operating temperature Min	10
Storage temperature MAX 80 Temperature coefficient 0.15	Operating temperature Max	40
Temperature coefficient 0.15	Storage temperature MIN	-10
	Storage temperature MAX	80
Compatibility Mahr VLDT	Temperature coefficient	0.15
	Compatibility	Mahr VLDT

Dimensions

