

# Inductive Probe Millimar P2004

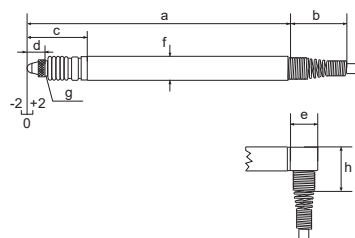


- Models with or without compressed-air (pneumatic) lifter or vacuum retraction
- Measuring pin mounted in ball-bearing guide
- High linearity over the entire measuring range
- Excellent electromagnetic shielding (EMC)
- All probes can be easily converted from axial to radial by mounting a slip-on cap (included in the scope of supply)
- Chemical resistance data: resistant to oil, gasoline, water and aliphatics. Moderately resistant to acids, bases, solvents and ozone
- **Scope of delivery:** Instruction manual, cap for radial cable output, Spanner for preliminary stroke setting

## Technical Data

Order no.	5323010	5323011	5323013	5323014
Product type	P2004			
Measuring range	mm	± 2		
Measuring range	inch	± .079"		
Distance to upper stop	mm...mm	+2.2 ... 4.4		
Distance to upper stop	inch...inch	+ .09 ... .173"		
Distance to lower stop	mm...mm	-2.2 ... 0		
Distance to lower stop	inch...inch	-.09 ... 0"		
Lifter / retraction	Standard model			
Measuring force	N	0,75 N +/-0,15 N		
Increase in measuring force	N/mm	0,2 N/mm		
Sensitivity deviation	%	0.3		
Repeatability $f_w$	$\mu\text{m}$	0.1		
Repeatability $f_w$	inch	4 $\mu\text{m}$		
Hysteresis $f_u$	$\mu\text{m}$	0.5		
Hysteresis $f_u$	inch	20 $\mu\text{m}$		
Linearity deviation within +/-0,5 mm	$\mu\text{m}$	0.4		
Linearity deviation within +/-,020"	inch	16 $\mu\text{m}$		
Linearity deviation within +/-1,0 mm	$\mu\text{m}$	1.5		
Linearity deviation within +/-,039"	inch	60 $\mu\text{m}$		
Linearity deviation within +/-2,0 mm	$\mu\text{m}$	3		
Linearity deviation within +/-,079"	inch	120 $\mu\text{m}$		
IP protection category	IP 64			
Cable length	m	2.5		
Temperature coefficient	$\mu\text{m}/^\circ\text{C}$	0.15		
Compatibility	Mahr VLDT	Tesa	Marposs	Federal

Order no.	g	a	b	c	d	e	f	Dimension f	h
		mm	mm	mm	mm	mm	mm	inch	mm
5323010	M 2,5	88.7	28	21.3	6	9.2	8		14
5323011	M 2,5	88.7	28	21.3	6	9.2	8		14
5323013	M 2,5	88.7	28	21.3	6	9.2	8		14
5323014	4/48 UNF	88.7	28	21.3	6	9.2		0,375	14



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## Accessories

Order no.	Product name	Compati- bility	Product type
5323130	Extension cable 2.5 m (Mahr VLDT)	Mahr VLDT	C2025 M
5323140	Extension cable 5 m (Mahr VLDT)	Mahr VLDT	C2050 M
5323150	Extension cable 7.5 m (Mahr VLDT)	Mahr VLDT	C2075 M
5323160	Extension cable 10 m (Mahr VLDT)	Mahr VLDT	C2100 M
7026827	Measuring spring 0.25 N		
7026828	Measuring spring 0.5 N		
7026849	Measuring spring 0.75 N		
7025579	Measuring spring 1.0 N		
7025505	Measuring spring 1.25 N		
7021546	Sealing bellows for probes with measuring spring		
5323131	Extension cable 2.5 m (Tesa)	Tesa	C2025 T
5323141	Extension cable 5 m (Tesa)	Tesa	C2050 T
5323151	Extension cable 7.5 m (Tesa)	Tesa	C2075 T
5323161	Extension cable 10 m (Tesa)	Tesa	C2100 T
2009177	Adaptor, Mounting Bracket, L-bracket with 0.375" hole		AAD-66
2201801	Adaptor for inductive probes for use on dial indicators (AGD)		AD-138
2201854	Split Collet OD is 17,45 mm/ .687". Requires 1/2-32 threaded hole		AD-87
2208626	Adaptor (90°) for mounting .375" diameter inductive/air probes on ID/OD comparator gage 36B		EAD-1029
2211459	Gage Head Adaptor Cable. Adapts EHE-2XXX and P2XXXF gageheads to older model 432 & 230 amplifiers (5 pin round female to 8 pin square male connector)	Federal	ECB-1852
5323134	Extension cable 2.5 m (Federal)	Federal	C2025 F
5323144	Extension cable 5 m (Federal)	Federal	C2050 F
5323154	Extension cable 7.5 m (Federal)	Federal	C2075 F
5323164	Extension cable 10 m (Federal)	Federal	C2100 F