

Millimar N 1702 M / N 1704 M / N 1704 T / N 1704 U

Module for Inductive Probes

FEATURES

- Flexibly configurable RS-485 bus modules
- Powerful connection modules for evaluating measuring sensors (inductive/pneumatic)
- Synchronous data retrieval from multiple connected measuring probes
- Connection of N 1700 modules via USB interface to the smart, universal evaluation and configuration software Millimar Cockpit
- Connects all compatible probe types using one module
- Flexible and modular product combinations to tackle customer-specific measuring tasks
- Maximum theoretical bus data rate of 4189 values/s (depending on the number of connected channels)
- **Package contains:** instruction manual



Application:

Smart and flexible combination of measuring modules and software for solving customer-specific measuring tasks.

TECHNICAL DATA

Order no.		5331120	5331140	5331141	5331142
Product type		N 1702 M	N 1704 M	N 1704 T	N 1704 U
Storage temperature MAX	°C	60			
Resolution	µm	0.1			
Measuring range, inductive probe	µm	± 2000, ± 5000, ± 1000, ± 500			
Probe inputs		2	4		
Compatibility		Mahr, Mahr 1340, Mahr half-bridge, Mahr LVDT, Mahr VLDT	Mahr, Mahr half-bridge, Mahr LVDT, Mahr VLDT	Tesa	Marposs
Configuration		Millimar Cockpit Software			
Data transmission rate	Hz	4189			
Error limit		0.3 % (min. 0.2 µm)			
Temperature coefficient	µm/°C	0.02			
Data interface		RS485			
Energy supply		+ 5V from N 1700 Bus			
IP protection category		IP 42			

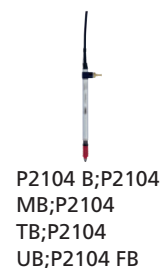
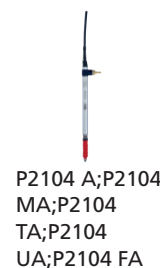
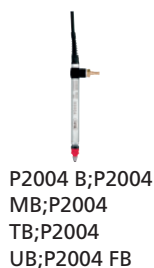
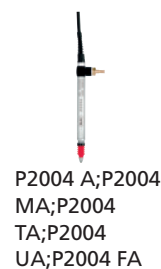
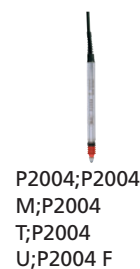
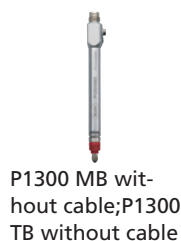
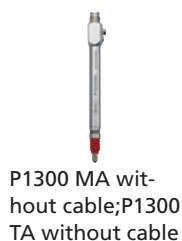
Order no.	Depth	Height	Width
	mm	mm	mm
5331120	66	54.8	77
5331140	66	54.8	116.5
5331141	66	54.8	116.5
5331142	66	54.8	116.5

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Module for Inductive Probes

ACCESSORIES

Order no.	Product description	Product type	g
5313010	Inductive probe	1301	
5313030	Inductive probe	1303	
5313049	Inductive probe	1304 K	
5313180	Inductive probe	1318	
5313400	Inductive probe	1340	
4400180	Inductive probe	P1300 MA	
4400182	Inductive probe	P1300 MA without cable	
4400181	Inductive probe	P1300 MB	
4400183	Inductive probe	P1300 MB without cable	
5323040	Inductive probe	P2001 M	
5323010	Inductive probe	P2004 M	M 2.5
5323020	Inductive probe	P2004 MA	M 2.5
5323030	Inductive probe	P2004 MB	M 2.5
5324010	Inductive probe	P2010 M	M 2.5
5324020	Inductive probe	P2010 MA	M 2.5
5324030	Inductive probe	P2010 MB	M 2.5
5324070	Inductive probe	P2104 MA	M 2.5
5324080	Inductive probe	P2104 MB	M 2.5
5331138	Extension cable, length 2 m	N 1700 RS485	
4400190	Inductive probe	P1300 TA	
4400192	Inductive probe	P1300 TA without cable	
4400191	Inductive probe	P1300 TB	
4400193	Inductive probe	P1300 TB without cable	
5323011	Inductive probe	P2004 T	M 2.5
5323021	Inductive probe	P2004 TA	M 2.5
5323031	Inductive probe	P2004 TB	M 2.5
5324021	Inductive probe	P2010 TA	M 2.5
5324031	Inductive probe	P2010 TB	M 2.5
5324071	Inductive probe	P2104 TA	M 2.5
5324081	Inductive probe	P2104 TB	M 2.5
5323013	Inductive probe	P2004 U	M 2.5
5323023	Inductive probe	P2004 UA	M 2.5
5323033	Inductive probe	P2004 UB	M 2.5
5324023	Inductive probe	P2010 UA	M 2.5
5324033	Inductive probe	P2010 UB	M 2.5
5324073	Inductive probe	P2104 UA	M 2.5
5324083	Inductive probe	P2104 UB	M 2.5



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TECHNICAL DATA

Order no.		5331121	5331122	5331125
Type		N 1702 T	N 1702 U	N 1702 M-HR
Resolution	μm	0,1		0,01
Measuring range, inductive probe	μm	± 5000, ± 2000, ± 1000, ± 500		± 200
Probe inputs		2		
Compatibility		Tesa	Marposs	Mahr, Mahr 1340, Mahr half-bridge, Mahr LVDT, Mahr VLDT
Configuration		Millimar Cockpit Software		
Data transmission rate	Hz	4189		
Error limit		0,3 % (min. 0,2 μm)		0,3 % (min. 0,04 μm)
Data interface:		RS-485		
Current consumption	mA	95		110
Energy supply:		+ 5V from N 1700 Bus		
IP protection category:		IP 42		

Order no.	Depth	Height	Width
	mm	mm	mm
5331121	77	54,8	66
5331122	77	54,8	66
5331125	77	54,8	66

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Module for inductive probes

ACCESSORIES

Order no.	Description	Type
4400190	Inductive probe, ± 1 mm	P1300 TA
4400191	Inductive probe, ± 1 mm	P1300 TB
5323011	Inductive probe, ± 2 mm	P2004 T
5323021	Inductive probe, ± 2 mm	P2004 TA
5323031	Inductive probe, ± 2 mm	P2004 TB
5324021	Inductive probe, ± 5 mm	P2010 TA
5324031	Inductive probe, ± 5 mm	P2010 TB
5324071	Inductive probe, ± 2 mm	P2104 TA
5324081	Inductive probe, ± 2 mm	P2104 TB
5331138	Extension cable, length 2 m	N 1700 RS485
5323013	Inductive probe, ± 2 mm	P2004 U
5323023	Inductive probe, ± 2 mm	P2004 UA
5323033	Inductive probe, ± 2 mm	P2004 UB
5324023	Inductive probe, ± 5 mm	P2010 UA
5324033	Inductive probe, ± 5 mm	P2010 UB
5324073	Inductive probe, ± 2 mm	P2104 UA
5324083	Inductive probe, ± 2 mm	P2104 UB
5313400	Inductive probe, ± 2 mm	1340
5313010	Inductive probe, ± 1 mm	1301
5313030	Inductive probe, ± 1 mm	1303
5313049	Inductive probe, ± 1 mm	1304 K
5323010	Inductive probe, ± 2 mm	P2004 M
5323020	Inductive probe, ± 2 mm	P2004 MA
5323030	Inductive probe, ± 2 mm	P2004 MB
5324070	Inductive probe, ± 2 mm	P2104 MA
5324080	Inductive probe, ± 2 mm	P2104 MB
5323040	Inductive probe, ± 0,5 mm	P2001 M
4400180	Inductive probe, ± 2 mm	P1300 MA
4400181	Inductive probe, ± 2 mm	P1300 MB
5313180	Inductive probe, -0,3 ... 1 mm	1318

