

Millimar N 1701 PM-2500 / N 1701 PM-5000 / N 1701 PM-10000 / N 1701 PF-2500/5000 / N 1701 PF-2500/5000-4 / N 1701 PF-10000

Module for Pneumatic Gages

FEATURES

- Flexibly configurable RS485 bus modules
- Powerful connection modules for evaluating measuring sensors (inductive/pneumatic)
- Synchronous data retrieval from multiple connected measuring sensors
- Connection of N 1700 modules via USB interface to the smart, universal evaluation and configuration software Millimar Cockpit
- 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.	5331155	5331156	5331157
Product type	N 1701 PF-2500/5000	N 1701 PF-2500/5000-4	N 1701 PF-10000
Magnification	2500:1, 5000:1		10000:1
Inputs for pneumatic measuring equipment	1		
Number of jets	1-3	4	1-3
Resolution	μm	0.1	
Compatibility	Mahr-Federal		
Configuration	Millimar Cockpit software		
Zero setter	Electrical		
Response time (Air)	≤ 0.3 seconds (with 1m / 3.3 ft hose)	≤ 0.5 seconds (with 2 m / 6.6 ft hose)	≤ 0.5 seconds (with 1m / 3.3 ft hose) ≤ 0.7 seconds (with 2 m / 6.6 ft hose)
Data transmission rate	Hz	4189	
Error limit	± 0.8 μm in the range ± 38 μm and ± 0.5 μm in the range ± 25 μm		
Air pressure	2.1 bar / 30.4 psi ± 5 %		
Air consumption in l/h	1-2		
Data interface:	RS485		
Energy supply:	+ 5V from N 1700 Bus		

Order no.	Depth	Height	Width
	mm	mm	mm
5331150	66	50	90
5331151	66	50	90
5331152	66	50	90
5331155	66	50	90
5331156	66	50	90
5331157	66	50	90

ACCESSORIES

Order no.	Product name	Product type
5331138	Extension cable, length 2 m	N 1700 RS485
2258471	Air filter/precision pressure regulator kit	

Millimar N 1701 PS

Power Supply Module

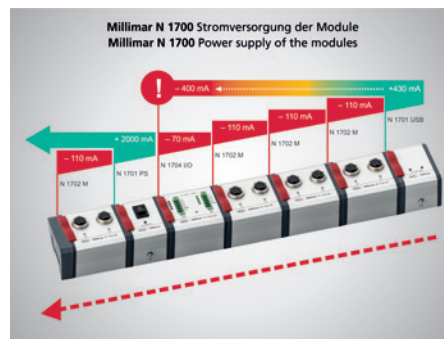
FEATURES

- Flexibel combination of RS485 bus modules
- Capable modules for the evaluation of measurings sensors
- Synchronous data enquiry of multiple connected sensors
- Ability to connect the N 1700 modules to the smart & universally applicable Millimar Cockpit Software
- Connection of all types of measuring sensors within the same compatibility
- Modular and customizable selection of product combinations for solving each customer specific measuring tasks
- Theoretical bus data rate of max. 4189 values per second (depending on the number of connected channels)
- Package contains: power source, instruction manual



Application:

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



TECHNICAL DATA

Order no.	5331133		
Product type	N 1701 PS		
Configuration	Millimar Cockpit Software		
Data interface	RS485		
Energy supply	230 V/115 V; 50/60 Hz		

Order no.	Depth	Height	Width
	mm	mm	mm
5331133	66	55	57

ACCESSORIES

Order no.	Product name	Product type
5331138	Extension cable, length 2 m	N 1700 RS485

Millimar N 1701 USB

USB Connecting Module

FEATURES

- Flexible combination of RS485 bus modules
- Capable modules for the evaluation of measurements sensors
- Synchronous data enquiry of multiple connected sensors
- Ability to connect the N 1700 modules to the smart & universally applicable Millimar Cockpit Software
- Connection of all types of measuring sensors within the same compatibility
- Modular and customizable selection of product combinations for solving each customer specific measuring tasks
- Theoretical bus data rate of max. 4189 values per second (depending on the number of connected channels)
- **Package contains:** end module, instruction manual, USB cable



Application:

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

TECHNICAL DATA

Order no.	5331130		
Product type	N 1701 USB		
Configuration	Millimar Cockpit Software		
Data interface	RS485		

Order no.	Depth	Height	Width
	mm	mm	mm
5331130	66	54	54

ACCESSORIES

Order no.	Product name	Product type
5331138	Extension cable, length 2 m	N 1700 RS485
4102058	Foot switch to trigger data transmission	16 ESf

Millimar N 1704 I/O

I/O Module

FEATURES

- Flexible combination of RS485 bus modules
- Capable modules for the evaluation of measuring sensors
- Synchronous data enquiry of multiple connected sensors
- Ability to connect the N 1700 modules to the smart & universally applicable Millimar Cockpit Software
- Connection of all types of measuring sensors within the same compatibility
- Modular and customizable selection of product combinations for solving each customer specific measuring tasks
- Theoretical bus data rate of max. 4189 values per second (depending on the number of connected channels)
- **Package contains:** plug connectors, instruction manual



Application:

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

TECHNICAL DATA

Order no.	5331134		
Product type	N 1704 I/O		
Configuration	Millimar Cockpit Software		
Data interface	RS485		
Control inputs	4 inputs, 10 –30 V		
Control outputs	4 outputs 10 –30 V ESD protected, short-circuit proof		

Order no.	Depth	Height	Width
	mm	mm	mm
5331134	66	54	77

ACCESSORIES

Order no.	Product name	Product type
5331138	Extension cable, length 2 m	N 1700 RS485