Anton Paar

Evaluation Unit mPDS 5

The Anton Paar mPDS 5 Evaluation Unit combines density and concentration measurement with the latest embedded PC architecture.

Flexibility through modular design

Designed for continuous density and concentration measurement in industrial processes, the mPDS 5 evaluation unit connects to all previous and present Anton Paar sensors such as DPR(n), SPR(n), Carbo, DSRn and the new generation of Smart Sensors such as Carbo 510, Carbo 520 Optical and L-Vis 510. Raw values from the sensors are converted to customer- and application-specific concentration results. Touchscreen, modularity, modern field bus interfaces, the powerful embedded PC, USB, Ethernet (LAN) meet the current requirements of the process industry.

▸ Large 8.4" color touchscreen, 640 x 480 pixel
▸ Intuitive operation comparable to work with a Windows PC
▸ Multiple line monitoring (2 lines)

▸ Choice of several screen layouts:
 - small and large numerical output fields
 - graphical output fields
▸ Limit monitoring directly on the screen
▸ 999 different products with alphanumeric names
▸ All concentration results can be monitored independently and stored (30000 points per batch, 17 batches or more)
▸ Easy adjustment with reference values
▸ Flexible access control by defining users with different user levels
▸ Ethernet (LAN) interface to PC
▸ Flexible configuration with up to 5 modules (e.g. analog inputs for additional external transmitters).
▸ Fieldbus interfaces such as PROFIBUS DP, PROFINET IO, EtherNet/IP, Modbus TCP, DeviceNet
▸ Various application programs

Technical data

CPU board	- EtherNet (LAN) interface	
	- DC 24 V connection	
	- 2 USB interfaces	Backup, update
	- CAN interface	Smart Sensor connection
Transducer board	- Transd.1/Transd.2	DPR(n), SPR(n), DSRn
	- 2 analog inputs	4 to 20 mA active/passive
	- 12 digital inputs/outputs or counters	e.g. filler stop, bottle counter, limit alarms
Input/Output board	- 4 analog outputs	Connection to PLC (4 to 20 mA)
	- 3 analog inputs	4 to 20 mA active/passive
	- 12 digital inputs/outputs or counters	e.g. filler stop, bottle counter, product selector
	- 2 relay outputs	Alarms
LCD	Color touchscreen	640 x 480 pixel
Fieldbus board	PROFIBUS DP, PROFINET IO, EtherNet/IP, Modbus TCP, DeviceNet	
Power supply	DC 24 V	
Power consumption	max. 60 W	
Dimensions (W x H x D)	275 x 215 x 249 mm (10.83 x 8.47 x 9.8 inches)	
Panel cut out (W x H)	249 x 189 mm (9.80 x 7.44 inches)	
Degree of protection	Front IP54	
Weight	max. 4.6 kg	

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