Process Control Unit
PCU-10

(As of 18-09-2013)

TetraTec®
Instruments

The Process Control Units PCU-10 completes the mass flow meters of the Smart Serie GSx. The unit is useful for visualisation and controlling of the mass flow meters and controllers of the smart series and expands these devices by additional functions.

- Communication with up to 10 smart meter / controller
- Mixing of gases such as master-slave-operation
- Color touch screen, self-illuminating
- Menue language English

SPECIFICATIONS PCU-10

Temperature
Storage:	-10°C to 60°C
Operation:	0°C to 50°C

Display, Operation
Color touch screen, easy to read, self-illuminating
Menue language English
Dimensions (WxH) approx. 100x60mm
Protection class IP50

Supply
100…240 VAC, 50-60 Hz, 1.3 A

SPECIAL FEATURES

- Display of the gas flow set value for each connected meter and controller
- Display of the gas flow actual value for each connected meter and controller
- Specification and storage of set values
- Storage of up to 12 different gas mixtures as recipes
- Total flow meter for each connected meter and controller
- Specification of minimum and maximum limit values with red alarm display on reaching the limits
- Gas mixer with up to 12 recipes
- Display of the instrument temperature of the connected meter and controller
- Mixed operation with Vögtlin and BHT devices possible. No additional mains adaptor required
- Control of the connected meter and controller with a PC by means of PDM-U connection cable
- Use of the Vögtlin get red-y software on a PC for direct configuration of the meter and controller

Housing variants

Desktop case
Dimensions (WxHxD) approx. 360x190x270mm
Protection class IP50
1x Power cord with power plug with ground contact
1x Main switch with glow lamp and fuse
1x Sub-D 9-pin plug for PDM-U cable for PC connection
4x Sub-D 9-pin connectors for RS-485C Modbus
Optionally 8x Sub-D 9-pin conn., RS-485C Modbus RTU

Panel mount
Dimensions (WxHxD) approx. 114x173x50mm
Protection class IP50
1x Sub-D 9-pin plug for PDM-U cable
1x Sub-D 9-pin connector for RS-485C Modbus RTU

19" Rack insert, 3HE
Dimensions (WxHxD) approx. 483x132x300mm
Protection class IP50
1x Sub-D 9-pin plug for PDM-U
1x Sub-D 9-pin connector for RS-485C Modbus RTU

ORDERING INFORMATION

Part No. Structure: PCU-1000-*H*-Options

H	**Housing Variants**
T	Table mount housing
E	Panel mount housing
R	Rack insert housing

Options on request.

Cable for PCU-10 Connection	**Part No.**
Bus Feeder Cable 2 m	BFC-328-2163

Bus-Accessories and Cables	**Part No.**
Bus Analogue Module Cable 0,1 m	BAM-328-2151
Bus Extension Cable 0,5 m	BEC-328-2160
Bus Extension Cable 2 m	BEC-328-2161
Bus Extension Cable 5 m	BEC-328-2162
Bus Terminator Module	BTM-328-2139

Supply and Cable for PC	**Part No.**
Power Supply (24 VDC, 2,2 A, 53 W)	PSD-328-2233
USB Communication Cable 1,5 m	PDMU-328-2169

Software 'get red-y'
The get red-y software that comes supplied with all digital Vögtlin products makes it possible with a connected PC to easily adapt the function parameters of the connected meter and controller to custom values. Upon request it records measurement data or optimizes your application in just a few steps thanks to digital technology.