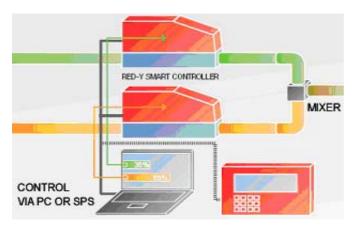
# Process Control Unit PCU-10

(As of 18-09-2013)





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: Operation:

-10°C to 60°C 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 Bus Feeder Cable 2 m

**Bus-Accessories and Cables** 

#### Part No. BFC-328-2163

Part No.

BAM-328-2151

BEC-328-2160

BEC-328-2161

BEC-328-2162

BTM-328-2139

PSD-328-2233

PDMU-328-2169

Part No.

Bus Analogue Module Cable 0,1 m Bus Extension Cable 0,5 m Bus Extension Cable 2 m Bus Extension Cable 5 m Bus Terminator Module

Supply and Cable for PC

Power Supply (24 VDC, 2,2 A, 53 W) USB Communication Cable 1,5 m

#### 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.

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