

Inspired by **temperature**



# ATEX

Temperature control in explosion-proof areas

**huber**

# ATEX

## Explosion protection

Our temperature control solution for explosion-proof areas includes a pressurised enclosure into which a temperature control unit is integrated. The overlay gas creates an overpressure in the housing to prevent the ingress of an explosive gas mixture.



The ATEX housing can only be ordered in combination with a water-cooled Unistat. The size of the enclosure depends on the size of the selected Unistat.

### Features:

- ➔ Only for water-cooled Unistats
- ➔ Pressurised enclosure
- ➔ Excess temperature control
- ➔ Leak detection
- ➔ Ex II 2G EX px IIC T4 Gb

### Technical Data:

- ➔ Housing material: stainless steel
- ➔ Superimposed gas: compressed air
- ➔ Pressure connection: R1/4"
- ➔ Cooling water connection: R3/4"
- ➔ Power supply: 400V 3~50 Hz

### Scope of delivery:

- ➔ Control of print overlay Ex px cabinet
- ➔ Isolator for external Pt100 temperature sensor
- ➔ Isolator for Ethernet connection
- ➔ Operation instructions for Ex px cabinet
- ➔ Approval description for Ex II 2G Ex pxb IIC T4 Gb
- ➔ Documentation

## User interface

The temperature control unit can still be operated via the Pilot ONE using the touch screen. The touch screen is protected by a flap with a viewing window.



## Technical requirement compressed air supply

Compressed air quality class	Particles		Water		Oil residual oil content max. in mg/m <sup>3</sup>
	Particle size max. in µm	Particle density max. in mg/m <sup>3</sup>	Pressure dew point in °C	Water content max. in mg/m <sup>3</sup>	
1	0,1	0,1	-70	3	0,01
2	1	1	-40	120	0,1
3	5	5	-20	880	1
4	15	8	3	6000	5
5	40	10	7	7800	25
6	–	–	10	9400	–

*This performance specification does not release from the obligation to install and operate the equipments in accordance with its operating instructions.*

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## Data communication

### Pilot Remote-Software ATEX

The Pilot Remote software enables the complete remote control of Huber temperature control units with Pilot ONE via a Windows PC. The user display of the Pilot ONE is mirrored on the PC, this means identical operation on the PC and the temperature control unit. The communication is via Ethernet network connectivity with a secure authentication and encoding.

- ➔ Remote control of any number of temperature control units with Pilot ONE
- ➔ Secure Ethernet connection with authentication
- ➔ Runs under Microsoft Windows 7/8/10 (32/64 bit)
- ➔ ATEX version for use in hazardous areas
- ➔ With licence key (valid for a Windows PC, hardware-bound)

Art.-Nr. 10646



### SpyControl-Software

SpyControl is a software solution for Windows PC's for device control as well as for viewing and the documentation of process relevant data. Communication with the temperature control unit is via RS232, USB or TCP/IP. Recorded data is displayed over time, with the y-axes of the diagram are automatically adjusted. The x-axis (time) can be adjusted to zoom into a time period ending in the current time.

Art.-Nr. 66108



### Remote control EEX Panel

Robust industrial panel for ATEX environments for remote control of Huber devices with Pilot ONE.

- ➔ 15" TFT touch screen (1024 x 768 px)
- ➔ Stainless steel housing IP54 for wall mounting
- ➔ Explosion protection zone 1 and 21
- ➔ Power supply AC 100-230 V
- ➔ Ethernet interface 100 / 1 Base T
- ➔ Windows 7 Embedded MUI operating system
- ➔ Including software SpyControl, #66108
- ➔ Pilot ONE Remote Software ATEX optional, #10646

#### Approval:

- ➔ Ex II 2G Ex db eb qb [ib op pr] IIC T4
- ➔ Ex II 2D Ex tb IIIC T120 °C
- ➔ Ex db eb qb [ib op pr] IIC T4
- ➔ Ex tb IIIC T120 °C IMMETRO
- ➔ GOST-R



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