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 2 G Ex pxb IIB 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 2 G Ex pxb IIB 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

The quality of the purge gas must comply with the compressed air quality classes according to DIN ISO 8573-1 of class 3 to ensure trouble-free operation of the Ex px cabinet.

Compressed air qualitiy class	Particles		Water		Oil
	Particle size max. in µm	Particle density max. in mg/m³	Pressure dew point in °C	Water content max. in mg/m³	residual oil content max. in mg/m³
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 comple-te 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 lisence key (valid for a Windows PC, hardware-bound)

Cat.-No. 10646

SpyControl-Software

Cat.-No. 66108

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

Remote control EEX Panel 15,0"

with stainless steel housing for wall mounting for Huber temperature control units with Pilot ONE

- Explosion protection zones 1 and 21:
- ATEX marking:
  - Gases/vapours: II 2G Ex db eb q [ib] IIC T4 Gb
  - Dust: II 2D Ex tb IIIC T120 °C Db
- IECEx marking:
  - Gases/vapours: Ex db eb q [ib] IIC T4 Gb
  - Dust: Ex tb IIIC T120 °C Db
- Power Supply: AC 100-230V
- Protection class: IP54
- Weight: 55 kg
- Storage: 128 GB SSD hard disk space, 8 GB RAM memory

- Operating system: Windows 10 IoT LTSB 64-bit
- Software package: Remote software incl. licence key, SpyControl #66108 (optional)
- Ambient temperature range 0 °C to 50 °C
- Ethernet cable, shielded, 25m, CAT6
- Stainless steel housing with built-in POLARIS Panel PC 15" for wall mounting
  - Housing material: stainless steel 1.4404
  - Protection class: IP54
  - Dimensions (W x D x H): 650 x 150 x 550mm

Cat.-No. 10394

For detailed technical data see specifications in the download area on our website   www.huber-online.com

Inspired by **temperature** designed for you

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