



- Four floating contacts
- Three-line LCD
- LED status indicator
- Modular design
- Safety-related control system
- Integrated multiport valves for purge gas inlet and outlet
- Option to connect separate pressure sensors

The APEX 2003.SI control unit controls and monitors the pre-purge and operating phase of Ex p-protected analysis systems with integrated containment.

Additional function:

Connecting additional pressure sensors allows the pressure inside the housing to be regulated to a higher value than that of the measurement gas using a proportional valve. During the pre-purge phase, the maximum purge gas flow rate is 4100 NL/h at a pressure of 50 mbar inside the housing. The control unit features two freely programmable relays and one non-floating release contact.

Explosion protection

ATEX marking	Ⓔ II 2(1)G Ex db eb ib [ia Ga] [pxb] IIC T4 Gb
Certification	DMT 99 ATEX E 082
Other approvals and certificates, see www.bartec.com	
Ambient temperature	-20 °C to +40 °C

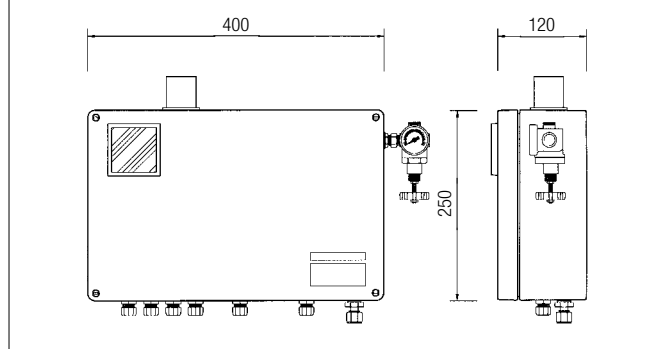
Technical data

Directives	Directive 2014/30/EU Directive 2014/34/EU
Structure	Ex e protective housing with viewing pane in the cover
Housing material	Fibreglass-reinforced polyester
IP rating	IP 65
Terminals	2.5 mm ² , fine-wire
Purge gas connection	10 mm dia.
Pressure sensors	MIN. A/B = 0 to 300 mbar MAX. = 0 to 300 mbar DIFF. A/B = 0 to 25 mbar
Pre-purge time	0 to 99 min; 5 sec dropout delay
Weight	11 kg
Safety integrity level	SIL 2

Electrical data

Supply voltage	230 V AC (115 V AC) ±10 %
Power consumption	P _v = 21 W/230 V
Normally open contacts	K 2/3, 5 A when cos φ = 1 K 4 and K 5; floating
Temperature switch value (optional)	0 °C to +80 °C
Bypass key switch (optional)	

Dimensions



Ordering information

Version		Code no.
	230 V AC	1
	115 V AC	2

Complete oder no. 07-3711-3223/ 003

Please insert code number.

Technical data subject to change without notice.