

PM01.EX Intrinsically Safe Power Supply

Certified intrinsically safe technology



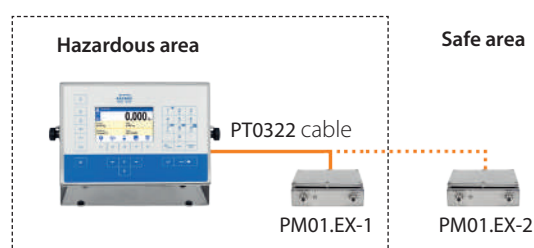
PM01.EX



PM01.EX-1
intended for operation in hazardous area



PM01.EX-2
intended for operation outside hazardous area



Block diagram of a system operating in hazardous area

Functions



Features

PM01.EX-1

PM01.EX-1: power supply intended for operation in hazardous area:

- Zone 1 and 2, where there is a risk of explosion due to mixture of air with vapour, mist or gas, classified as explosion group IIC, IIB and IIA and as temperature class T1, T2, T3, T4.

- Zone 21 and 22, where there is a risk of explosion due to mixture of air with dust, flammable fibres and volatile fuels, classified as explosion group IIIC, IIIB and IIIA.

PM01.EX-2

Power supply intended for operation outside hazardous area, equipped with intrinsically safe circuits which may be placed in zones 1, 2, 21, 22.

Technical Specifications

	PM01.EX-1 for operation in EX zone	PM01.EX-2 for operation outside EX zone
Housing material	stainless steel	stainless steel
Indicator's connection	3 m cable (max 50 m)	10 m cable (max 50 m)
Ingress protection	IP66 (1.5 m)	IP66 (1.5 m)
Ex approval	ATEX: KDB 17ATEX0066X IECEX: IECEX OBAC 19.0001X	ATEX: KDB 17ATEX0066X IECEX: IECEX OBAC 19.0001X
EX marking	II 2G Ex eb mb [ib] IIC T4 Gb II 2D Ex tb [ib] IIIC T70°C Db	II (2)G [Ex ib Gb] IIC II (2)D [Ex ib Db] IIIC
Power supply	100-240VAC 50/60Hz	100-240VAC 50/60Hz
Power consumption	10 W	10 W
Operating temperature	-10 ÷ +40 °C	-10 ÷ +40 °C
Relative humidity *	10 ÷ 85%	10 ÷ 85%
Transport and storage temperature	-10 ÷ +50 °C	-10 ÷ +50 °C
Power supply dimensions	196 × 174 × 64 mm	196 × 174 × 64 mm
Net weight	3.5 kg	3.5 kg
Gross weight	8 kg	8 kg

* non-condensing conditions

Dimensions

