

# PM01.EX Intrinsically Safe Power Supply

Certified intrinsically safe technology



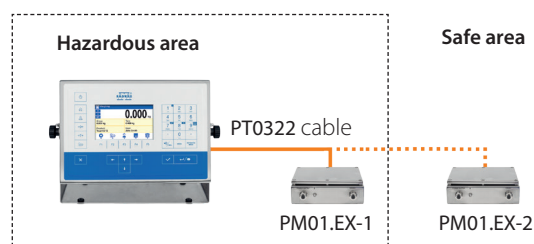
PM01.EX



**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

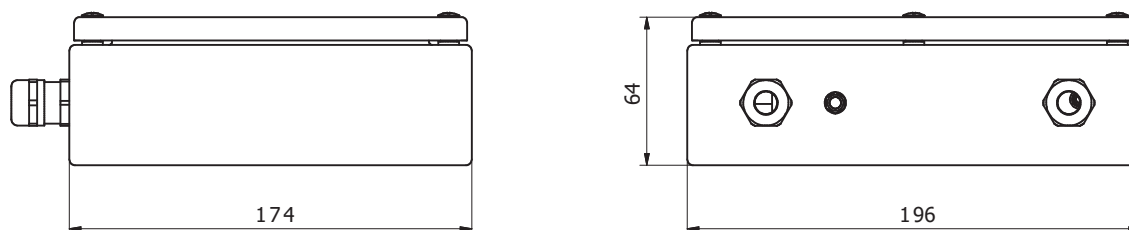
Power supply intended for operation outside hazardous area, equipped with intrinsically safe circuits which may be placed in zones 1, 2, 21, 22.

## Technical Specifications

	PM01.EX-1 for operation in EX zone	PM01.EX-2 for operation outside EX zone
<b>Housing material</b>	stainless steel	stainless steel
<b>Indicator's connection</b>	3 m cable	10 m cable
<b>Ingress protection</b>	IP66 / IP68 (1.5 m)	IP66 / IP68 (1.5 m)
<b>Certificate (Hazardous Area Approval)</b>	ATEX	ATEX
<b>Protection class for gases</b>	II 2G Ex eb mb [ib] IIC T4 Gb	II (2)G [Ex ib Gb] IIC
<b>Protection class for dust</b>	II 2D Ex tb [ib] IIIC T60°C Db	II (2)D [Ex ib Db] IIIC
<b>Power supply</b>	100-240VAC 50/60Hz	100-240VAC 50/60Hz
<b>Power consumption</b>	10 W	10 W
<b>Operating temperature</b>	-10 ÷ +40 °C	-10 ÷ +40 °C
<b>Relative humidity *</b>	10 ÷ 85%	10 ÷ 85%
<b>Transport and storage temperature</b>	-10 ÷ +50 °C	-10 ÷ +50 °C
<b>Power supply dimensions</b>	196 × 174 × 64 mm	196 × 174 × 64 mm
<b>Net weight</b>	3.5 kg	3.5 kg
<b>Gross weight</b>	8 kg	8 kg

\* non-condensing conditions

## Dimensions



PM01.EX