

DRÄGER · FIXED GAS DETECTION · GAS TRANSMITTER

Polytron 8200 CAT

Series: Polytron 8000



Dräger Polytron 8200 CAT is an explosion-proof high-end Polytron 8000 series transmitter designed for detecting flammable gases and vapours. It uses the catalytic DrägerSensor Ex ... DQ. Alongside a 3-wire 4–20 mA analogue output it offers HART, fieldbus and Modbus, and three integrated relays are available on request. SIL 2, IP65/66/67 and operation from -40 °C to 80 °C.

- 01 DrägerSensor Ex ... DQ based on the catalytic bead measuring principle
- 02 4–20 mA, HART, fieldbus and Modbus outputs; three relays on request
- 03 SIL 2 (IEC 61508-1-3)
- 04 Epoxy-coated aluminium or SS 316L stainless steel housing, IP65/66/67
- 05 ATEX, IECEx, UL and CSA approvals

Technical data

BRAND	Dräger
MODEL	Polytron 8200 CAT
GASES	Ex / LEL · NH ₃ · H ₂ · CH ₄
SENSOR TECHNOLOGIES	Catalytic
OUTPUTS	4–20 mA · HART · Fieldbus · Modbus · Relay
DISPLAY	yes
SIL LEVEL	SIL 2
IP RATING	IP65/66/67
OPERATING TEMPERATURE	-40–80 °C
POWER SUPPLY	10 to 30 V, 3-wire
HOUSING	Epoxy coated copper-free aluminum or stainless steel SS 316L
OTHER APPROVALS	ATEX, IECEx, UL, CSA, CE marking, GOST (EAC), Performance approval, Shipping approval

DIMENSIONS	28x15x13 cm (H × W × D)
WEIGHT	8.82 lb (4 kg)
COMPATIBLE ITEMS	DrägerSensor PR NPT DQ · Sensor Head Polytron SE Ex HT M DQ · Sensor Head Polytron SE Ex LC M1 DD · Sensor Head Polytron SE Ex LC M2 DD · Sensor Head Polytron SE Ex PR M1 DQ 5000/8000 · Sensor Head Polytron SE Ex PR M2 DQ

Standards

STANDARD	PERFORMANCE
IEC 61508-1-3	SIL 2

Certificates

ATEX	ATEX
IECEX	IECEX
OTHER	UL
OTHER	CSA
OTHER	CE marking
OTHER	GOST (EAC)
OTHER	Performance approval
OTHER	Shipping approval