DRÄGER · FIXED GAS DETECTION · GAS TRANSMITTER

Polytron 8310 IR

Series: Polytron 8000



Dräger Polytron 8310 IR is an explosion-proof Polytron 8000 series transmitter for combustible gases in the lower explosion limit (LEL). It uses an infrared DrägerSensor IR configurable for methane, propane or ethylene. Alongside a 3-wire 4–20 mA analogue output it offers HART, Modbus and fieldbus, with a relay option. SIL 2, IP65/66/67 and operation from -40 °C to 65 °C.

01 Infrared DrägerSensor IR configurable for methane, propane or ethylene

02 4–20 mA, HART, Modbus and fieldbus outputs; relay option

03 SIL 2 (IEC 61508-2)

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 8310 IR
GASES	Ex / LEL · CH4
SENSOR TECHNOLOGIES	Infrared
OUTPUTS	4–20 mA · Relay · HART · Modbus · Fieldbus
DISPLAY	yes
SIL LEVEL	SIL 2
IP RATING	IP65/66/67
OPERATING TEMPERATURE	-40–65 °C
POWER SUPPLY	10 to 30 V DC, 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 IR

Standards

STANDARD	PERFORMANCE
IEC 61508-2	SIL 2

Certificates

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