

DRÄGER · FIXED GAS DETECTION · GAS TRANSMITTER

Polytron 5100 EC

Series: Polytron 5000



Dräger Polytron 5100 EC is a gas transmitter from the Polytron 5000 series that detects toxic gases or oxygen with an electrochemical DrägerSensor. It provides a 2- or 3-wire 4–20 mA output, with relays on request. SIL 2, backlit display, IP65/66/67 protection and operation from -40 °C to 65 °C; ATEX, IECEx, UL, CSA and GOST (EAC) approved.

- 01 Electrochemical DrägerSensor for H₂S, NH₃, H₂, CO, O₂ and more
- 02 2- or 3-wire 4–20 mA output; relays on request
- 03 SIL 2 (IEC 61508-2)
- 04 Epoxy-coated aluminium or SS316 L stainless steel housing, IP65/66/67
- 05 ATEX, IECEx, UL, CSA and GOST (EAC)

Technical data

BRAND	Dräger
MODEL	Polytron 5100 EC
GASES	H ₂ S · NH ₃ · H ₂ · CO · O ₂ · Other
SENSOR TECHNOLOGIES	Electrochemical
OUTPUTS	4–20 mA · Relay
DISPLAY	backlit display
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 SS316 L
OTHER APPROVALS	ATEX, IECEx, UL, CSA, CE marking, GOST (EAC)
DIMENSIONS	28x15x13 cm (H × W × D)
WEIGHT	11.02 lb (5 kg)

COMPATIBLE ITEMS

DrägerSensor H2S · DrägerSensor H2S HC · DrägerSensor NH3 TH · DrägerSensor NH3 HC · DrägerSensor NH3 LC · DrägerSensor NH3 TL · DrägerSensor H2 · DrägerSensor CO · DrägerSensor CO LH · DrägerSensor CO LS · DrägerSensor O2 LS · DrägerSensor H2O2 LC · DrägerSensor OV 1

Standards

STANDARD	PERFORMANCE
IEC 61508-2	SIL 2

Certificates

ATEX	ATEX
IECEX	IECEX
OTHER	UL
OTHER	CSA
OTHER	CE marking
OTHER	GOST (EAC)