

Troxex TX9165 SENTRO 8

Eight-Channel Environmental Gas Monitoring Station Specification

CORE DESCRIPTION

The Trolex TX9165 Sentro 8 is an intrinsically safe, eight-channel environmental gas monitoring station designed for comprehensive multi-gas and environmental surveillance in hazardous underground mining and industrial environments. It accommodates up to 8 plug-in Sentro gas sensing modules (toxic, flammable, oxygen) or environmental sensors to continuously monitor atmospheric conditions. Before deployment, confirm the specific sensor module configuration, input power supply (IS or non-IS options), communication protocols (Modbus, Ethernet, RS485), and ATEX/IECEX intrinsic safety certification requirements.

TECHNICAL SPECIFICATIONS

Parameter Name	Specification Value	Unit
Number of channels	8	—
Sensing modules supported	Plug-in Sentro Gas Modules (Toxic, Flammable, O2) & Environmental Sensors	—
Protection type	Intrinsically Safe (Ex ia / Ex ib)	—
Display	High-contrast LCD graphic display	—
Output signal / Communication	RS485 Modbus / Ethernet / Analogue outputs	—
Alarm indication	Visual LED status indicators and internal alarm relays	—
Supply voltage	12 VDC IS or 110-230 VAC mains power options	—
Ingress protection	IP65	—
Housing material	Heavy-duty reinforced molded polymer	—
Hazardous area rating	ATEX / IECEX certified (Group I Mining & Group II Industrial)	—