smart
GasDetection
Technologies

D-ReX

D-ReX enclosure series

D-ReX

Gas Detection at the Point of Sampling

USPs:

» Tube length
  up to 30 m / 100 ft.
» Extension cable 1 m / 30 m
» Easy to replace mechanical
  component of internal pump
» Bluetooth®

Options:

» 16x external relays
  (GMA200-RT/D)
» Line Integrity Monitoring

Features:

» Sensors for more than 30 gases
» Hot-swappable smart sensor cartridge
» High-resolution, full-color 2.4" TFT display
» Plain text information
» Tool-free maintenance
» Power-over-Ethernet (PoE) communication
» Can be addresses via web portal
» Password-protected menu
» Interface:
  - Analog: 4–20 mA output
  - Digital: RS-485 (Modbus/RTU)
  - 10/100 Mbit Ethernet (Modbus/TCP)
» Bright status and alarm LEDs
» Data logger to review sensor and alarms history
» CE marked and UL certified

Easy to use and maintenance
The D-ReX is a very user-friendly, easy-to-maintain gas detector.

High-resolution, full-color display
The 2.4, 320 x 240 pixel full-color TFT display sets new standards for gas detectors. It provides clear and precise information about the current measured values, the short-term and long-term exposure, as well as any malfunctions that may have occurred. Information can be displayed in a variety of languages and scripts, including English, German and Simplified Chinese.

Clear Information
No longer will you have to decipher cryptic error codes – information on any issue is instead displayed in plain text. Status LEDs provide an additional instant overview of vital components of the system.
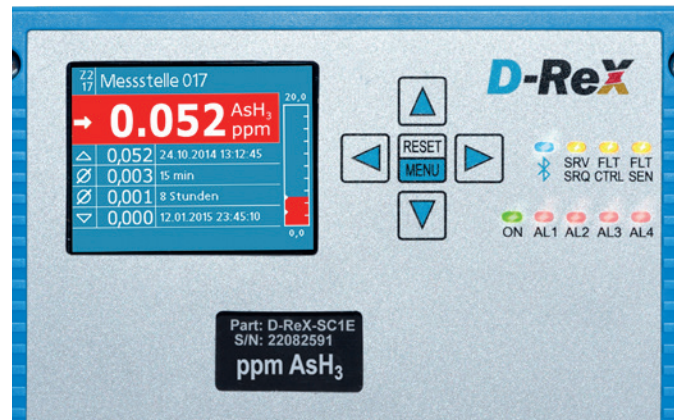
Intuitive device management using Bluetooth and app Settings on the D-ReX can easily be managed using the configuration program or the GfG app (Android). They can be connected to the device either via RJ45 an interface or Bluetooth. This will give you access to all settings and configuration options. After entering the password, changes can also be made using the control keys in the D-ReX's service menu.

Advanced connectivity
The D-ReX comes with a wide variety of communication interfaces: Choose between analog, industry standard 4-20 mA, digital RS-485 interface (Modbus/RTU), Ethernet (Modbus/TCP) and LonWorks (optional) for signal transmission. The Bluetooth option enables wireless connectivity. In addition to the five internal, programmable changeover contact relays (optional), 16 additional relays can be addressed by connecting the D-ReX to a GMA200-RT/D relay module.

Periodic sensor self-tests
The plug-and-play smart sensor cartridges are pre-configured and pre-calibrated for easy installation or replacement. Automatic sensor self-tests increase safety while reducing maintenance costs even further.

User interface with display, control keys and status LEDs

The new Standard for Versatility: D-ReX
All the advantages mentioned perfectly qualify the D-ReX for numerous applications in virtually all industries. Some of its unique features make it particularly suitable for use in the semiconductor industry, photovoltaic industry and industrial manufacturing as well as in laboratories. If you are looking for the gas detector that best suits your needs, the D-ReX will be your first choice for many applications.

Possible areas of application:
» MRI Labs
» Process tools
» Vacuum pumps
» Scrubbers
» Gas cabinets
» Ambient breathing zones
» Storage areas
» Cleanroom environments
» Sub fab systems

Gases::	O2, CO, Cl2, H2, HCN, HF, CO2, N2O, LEL. Other gases available upon request
Detection Principle:	Sensor dependent; Available options: EC = electrochemical CC = catalytic combustion IR = infrared
Sampling Method:	Extraction with pump, sensor extension cable
Display and Interface:	Display: 2.4 in full color TFT (320 x 240 pixels) Interface: 5 push buttons
Selectable Languages:	German, English (more languages coming soon)
Communication:	» Analog: 4–20 mA output » Digital: RS-485 (Modbus/RTU) » 10/100 Mbit Ethernet (Modbus/TCP) » Bluetooth » Relays: 3x internal (programmable) form C relays Max. 2 A / 30 V DC Min. 10 mA / 5 V can optionally be upgraded with an external relay module with up to 16 relays
Response Time:	Varies by sensor (see sensor data sheet)
Expected Average Life of the Sensor:	Varies by sensor (see sensor data sheet)
Operating Temperature: Operating Humidity: Operating Pressure:	14 to 104 °F / -10 to +40 °C 5 to 90 % RH 70 to 130 kPa
Power Supply:	110 VAC, 2 AMP
Housing: Protection Class:	Polycarbonate / UV Resistant Nema 4X / IP 66
Mounting: Weight:	Mounting feet 8.25 lbs
Dimensions:	10 x 12 x 4 in (W x H x D)
Labelling:	CE certification