



Q. What makes Meridian a “universal” gas detector?

A. Meridian features a common user interface, and a single detector head that accepts all sensor types, a single set of accessories and global approvals that allow it to be used anywhere in the world.

Q. Is the detector head suitable for all applications?

A. Meridian features a single detector head that works for all applications- electrochemical, and combustible (IR, catalytic bead) sensors.

Q. Do I need to declassify the area before replacing the sensor?

A. No, due to Meridian’s intrinsically safe, plug-and play sensor design you can perform sensor replacements without powering down the instrument.

Q. What are the advantages of Meridian’s sensor technology?

A. Meridian’s sensors provide reliable and accurate detection through several key features: minimal drift (reliable performance even in harsh temperature and humidity environments), high specificity (reduced cross interference from other gases thus reducing the likelihood of a false alarm), digital ID (provides automatic recognition when sensors are replaced) and broader toxic gas detection (several ranges are available for each gas).

Q. Is Meridian SIL certified?

A. Meridian is suitable for use in SIL2 and SIL3 rated systems under the IEC 61508 standards as certified by TÜV Rheinland.

Q. How are sensors calibrated?

A. With the Meridian gas detector, you can calibrate a toxic sensor to a particular gas level and then make adjustments to the range later without having to re-calibrate the sensor for the new range. To optimize maintenance workload, you can calibrate sensors in the lab and set them to a default range. Upon installation, the range on the sensors can be adjusted to the requirements of the specific location.

Q. How many sensors can be attached to one Meridian unit?

A. Up to three sensors can be attached to a single instrument. This allows you to monitor for toxic and combustible gases from the same detector.

Q. What communication protocols does Meridian utilize?

A. Meridian supports industry standard protocols including: 4-20 mA analog, MODBUS, and Wired HART.



AMERICAS - Texas (USA)
4055 Technology Forest Blvd.
The Woodlands, TX 77381
Tel.: +1-800-247-7257
Fax: +1-281-292-2860

EMEA
ZI Est, Rue Orfila,
CS 20417
62027 ARRAS CEDEX, France
Tel.: +33-3-21-60-80-80
Fax: +33-3-21-60-80-00

ASIA PACIFIC
290 Guizhao Road
Pudong, Shanghai 201206
People's Republic of China
Tel.: +86-21-3127-6373
Fax: +86-21-3127-6365

