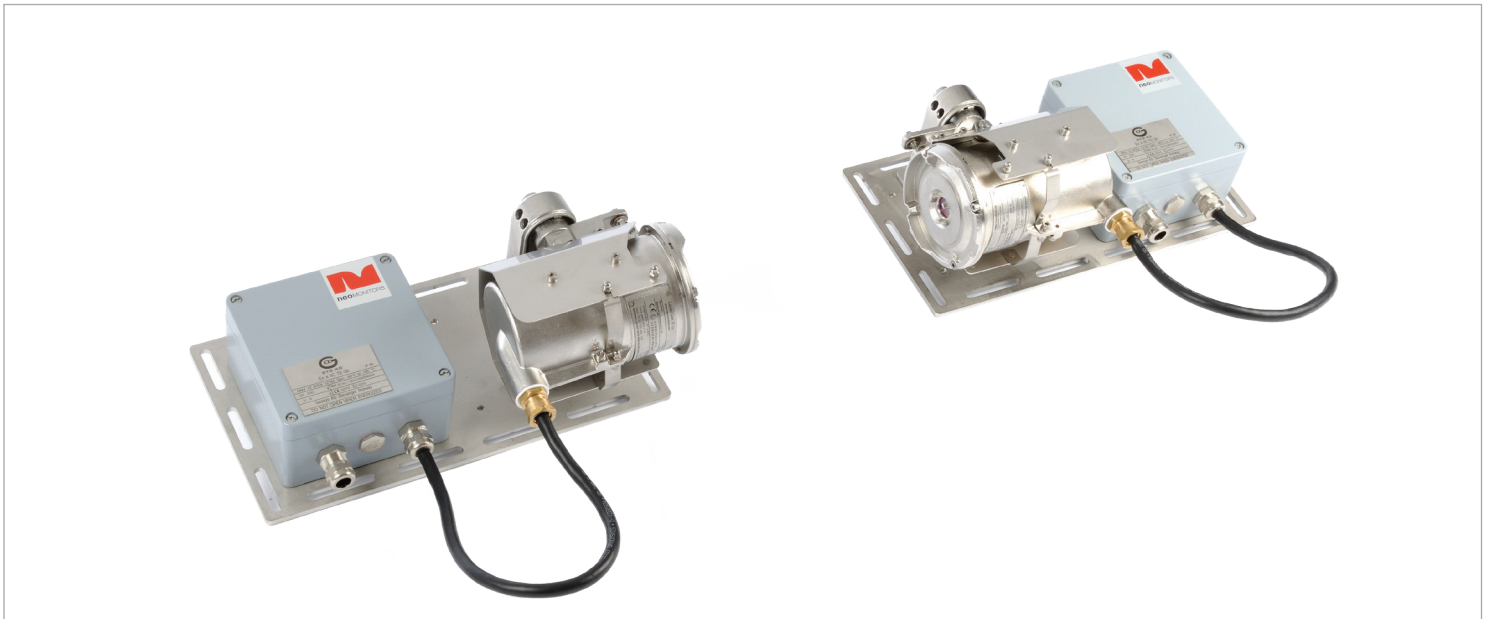


LaserGas™ III OP HF Gas Detector



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NEO Monitors LaserGas™ III new HF Open Path Gas Detector is specifically designed for service in hazardous areas. Based on our third generation LaserGas™ Technology, the entire instrument is built into compact flameproof enclosures making it fit for zone 1 applications. The LaserGas™ III OP HF consists of a transmitter and receiver unit that is mounted diametrically opposite each other at distances up to 100 meters. The laser light is sent from the transmitter to the receiver and any HF concentration changes along the optical path from the transmitter to the receiver are detected in real-time.

Features	Applications	Customer benefits
<ul style="list-style-type: none"> • Gen. 3 compact LaserGas™ Technology • For operation in zone 1 (Explosion proof, Ex-d) • Automatic health check • Low power < 15 Watt • No need for regular replacement of parts • No interference from other gases • Factory calibrated, no zero drift • Suitable for SIL2 	<p>Open Path monitors are critical in emission monitoring across a wide range of industrial applications:</p> <ul style="list-style-type: none"> • Oil and gas industry • Petrochemical refineries • Chemical plants • Metal industry • Fenceline monitoring 	<ul style="list-style-type: none"> • Compact high performance gas monitor for ambient long distance monitoring • No cross interference from other gases • Easy to install • Limited need for maintenance • Low cost of ownership • Proven and reliable

LaserGas™ III OP HF Gas Detector

Technical Data

Specification Type: Near IR Diode Laser Spectroscopy IR-source: Diode laser Class 1 M, eye safe Detected gas: HF Range: Minimum 0-5 ppm*m Path length: 5-100 m Self-test: Continuous Calibration: Factory set, no field calibration necessary Zero: <+/- 1% of full scale Repeatability: <+/- 1% of full scale Response time: 5 sec (adjustable) Environmental conditions Storage temperature: -55 °C to 75 °C Operating: -40 °C to 65 °C Humidity (operational): 100% RH Input/output Standard: 4-20 mA source or sink, max load impedance 500 Ohm Options: Ethernet Fault signals: Fault 1mA Beam Block 2 mA Warning 3 mA	Rating Power Supply: 24V DC range 18-32V DC Power consumption: < 15W Safety Laser class: Class 1 according to IEC 60825-1, eye safe CE: Certified EMC: Conformant with directive 2014/30/EU Approvals IECEX/ATEX zone 1: II 2 G Ex d [op is] IIC T6 (TU/RU) II 2 D Ex tb IIIC T88 °C Ingress: IP66/IP67 IEC 60529 SIL: Suitable for use in SIL2 systems Materials TU and RU: Stainless steel (ASTM 316)	Optics Alignment: +/- 0.15 deg Obscuration: > 90% Dimensions / weight Footprint/weight: Ø 125mm x 250 mm/ 5.5 Kg (12 lbs.) per TU or RU Optional junction box (technical data) Junction box: GRP / aluminum Footprint Junction box: 250 mm x 250 mm/ 2.0 Kg (4.4 lbs. per Junction Box) ATEX rating: II 2 G Ex e I IC T4/T5/T6
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*NEO Monitors reserve the right to change specifications without prior notice

Your local distributor:



neomonitors

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