




<b>Detection principle:</b>	• Optics: infrared absorption
<b>Detected gases:</b>	• Hydrocarbons • Methane, propane/butane as standard • Others on request including CO <sub>2</sub>
<b>Range:</b>	• 0-100% LEL CH <sub>4</sub> , C <sub>3</sub> H <sub>8</sub> , C <sub>4</sub> H <sub>10</sub> • 0-100% of volume CH <sub>4</sub> • 0-3% of volume CO <sub>2</sub>
<b>Housing:</b>	• 316L Stainless Steel
<b>Ingress protection:</b>	• IP66 / IP67, DIN 40050
<b>Sensitivity:</b>	• 1% LEL
<b>Accuracy:</b>	• +/-3% LEL CH <sub>4</sub> or +/- 5% of the value • +/-2% LEL HC or +/- 3% of the value
<b>Response time:</b>	• T90 < 8 sec.
<b>Self test:</b>	• Continuous
<b>Calibration:</b>	• In factory or locally
<b>Humidity range:</b>	• 0 to 99% (without condensation)
<b>Output signal:</b>	• 4-20 mA
<b>Max load resistance:</b>	• 300 Ω
<b>Trouble signals:</b>	• Line fault (0 mA) • Optics fault (0.5 mA) • Other fault (1 mA) • Calibration mode (2 mA) • Scale over range (23 mA)
<b>Power supply:</b>	• 15 to 30 VDC at detector terminal
<b>Average consumption:</b>	• 2.5 W
<b>Connection:</b>	• 3 active wires, shielded cable

<b>Maximum resistance per conductor of detector/central unit cable:</b>	• 8 Ω (250 m in 1.5 mm <sup>2</sup> ) under 21 VCC
<b>Type of cable inlet:</b>	• M20, Cable gland not supplied
<b>Operating temperature:</b>	• -25°C to 55°C
<b>Storage temperature:</b>	• -40°C to 55°C
<b>Weight and dimensions:</b>	• 212 x 105 x 120 mm; 1.6 kg
<b>EC Electromagnetic compatibility:</b>	• Complies with EN50270
<b>Certifications :</b>	 <ul style="list-style-type: none"> <li>• Ineris 03ATEX0141X</li> <li>• Ex d e ia IIC T4- II 2GD</li> <li>• Ex tD A21 IP66 T135°C</li> <li>• T. amb: -50°C to + 65°C</li> </ul>
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<b>Performance :</b>	• INERIS 03ATEX0141X • EN 61779-1, -4
<b>SIL capability :</b>	 <ul style="list-style-type: none"> <li>• INERIS 03ATEX0141X/02</li> <li>• SIL capability 2</li> <li>• EN 50402/EN 61508</li> </ul>

