

Explosion protection

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| Ex protection marking | ATEX: Ex db IIB+H2 T6 Gb IECEX: Ex db IIB+H2 T6 Gb NEC: Class I Div 1 Group B, C + D CE ²⁸¹³ |
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Technical data

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| Technology | uses a digitally controlled syringe sample handling system; micro sample 0.5 ml |
| Method | correlates with: ASTM D323, ASTM D4953, ASTM D5482, ASTM D5191, ASTM D6377 |
| Measuring range | 0 to 2.4 bar (0 to 35 psi) |
| Repeatability | 3.4 mbar (0.05 psi) |
| Reproducibility | ≤ ASTM |
| Measuring cycle | Less than 5 min |
| – Electrical data | |
| Nominal voltage | 100 to 120 V AC, 1 phase; 50/60 Hz 200 to 240 V AC, 1 phase; 50/60 Hz |
| Maximum power consumption | less than 500 W |
| – Protection class | |
| IP 65 | |
| – Ambient conditions | |
| Ambient temperature | operation -20 up to 40 °C (-4 to 104 °F) |
| Ambient humidity | up to 90 % |
| Sample | |
| Quality | clean dry, filtered less than 10 µm, no free water |
| Properties | |
| Consumption | 1.2 to 6 l/h |
| Pressure at inlet | 1 to 3.8 bar (55 psi) |
| Temperature at inlet | 2 to 75 °C (35 to 167 °F) |
| Viscosity | max. 15 cST |
| Utilities | |
| – Instrument air Consumption | |
| Cell Purge | 10 l/h |
| Pressure at inlet | 1 bar to 17.2 bar (14 to 250 psi) |
| Quality | clean dry, oil and particulate free, instrument air |
| – Coolant | |
| None required | |

Signal outputs and inputs

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| Analog outputs | RVP values, analyzer system/ maintenance warning, RVP1, RVP2, TVP (with option) cell temperature, 2 outputs standard analysis measurement indication |
| Digital outputs | RVP value alarm, analyzer maintenance warning, analyzer fault alarm, come read, in validation, analyzer warning (plus your listed), 3 dry contacts programmable |
| Digital inputs | customer alarm, remote standby, stream switch, validation (dry contact) |

Electrical data of signal outputs and inputs

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| Analog outputs | 3 x 4 to 20 mA, self powered and isolated |
| Digital outputs | 250 V AC, max. 3A, 3 dry contacts |
| Digital inputs | dry contact |

User interfaces

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| Display | 7" color graphics |
| Keyboard | 5 button magnetic, no hot work permit required |

Connections

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| Sample inlet | 1/4" FNPT |
| Sample outlet | 1/4" FNPT |
| Vent/Drain | 1/4" FNPT |

Weight and dimensions

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| Weight | approx. 228 kg (500 lbs) |
| Dimensions (W x H x D) | approx. 940 x 1803 x 762 mm (37" x 71" x 30" in) |

Optional interfaces

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| Analog outputs | optional, cell pressure, validation result, cell temperature, TVP, additional on request |
| MODBUS | TCP/IP or Serial/RTU MODBUS output available |