

Explosion protection

| | |
|---------|---|
| Marking | ATEX: II 2G Ex db IIB+H2 T6 Gb IECEX: II 2G Ex db IIB+H2 T6 Gb CSA/CUS Class I Div 1 Group B, C + D CE ²⁸¹³ |
|---------|---|

Technical data

| | |
|-----------------------|--------------------------------------|
| Technology | electrometric method |
| Method | correlates with: ASTM D3230 |
| Measuring range | 0 to 400 PTB (0 to 1000 mg/L) |
| Repeatability | 2 % of scale |
| Reproducibility | ± 1 % of scale |
| Measuring cycle | 5 min typical |
| Measuring temperature | programmable, typical 50 °C (122 °F) |

Electrical data

| | |
|---------------------------|------------------------------------|
| Nominal voltage | 110 or 220 V AC, 1 phase; 50/60 Hz |
| Maximum power consumption | 600 W |
| – Protection class | IP 65 |
| – Ambient conditions | |
| Ambient temperature | -20 to 40 °C (-4 to 104 °F) |
| Ambient humidity | up to 90 % |

| Sample | |
|----------------------|--------------------------------|
| Quality | filtered 100 µm, without water |
| Consumption | 3.0 to 6.0 l/h |
| Pressure at inlet | 3 to 10 bar (45 to 145 psi) |
| Temperature at inlet | 10 to 60 °C (50 to 140 °F) |

| Utilities | |
|------------------------------|--|
| – Instrument air Consumption | less than 60 l/h |
| Pressure at inlet | 5 to 8 bar (70 to 116 psi) |
| Quality | clean dry, instrument air |
| – Coolant | Not required |
| Solvent | Reagent Grade Xylenes, Reagent Grade 1-Butanol Reagent Grade Absolute Methyl Alcohol Industrial Grade Naphtha |

| Signal outputs and inputs | |
|---------------------------|---|
| Analog outputs | 1 standard, 1 optional |
| Digital outputs | 3 dry contacts programmable |
| Digital inputs | up to 4 dry contact inputs, (customer alarm, remote standby, stream switch, validation request) |

| Electrical data of signal outputs and inputs | |
|--|---|
| Analog outputs | up to 2 to 4-20 mA self powered and isolated, 1 is standard |
| Analog inputs | None required |
| Digital outputs | up to 3 dry contacts programmable, contacts SPDT rated at 250 VAC, 3A, alarm critical, come read, alarm warning |
| Digital inputs | up to 4 dry contact inputs, (customer alarm, remote standby, stream switch, validation request) |

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

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

| Weight and dimensions | |
|------------------------|--|
| Weight | 340 kg (750 lbs) |
| Dimensions (W x H x D) | 940 x 1803 x 762 mm (37" x 71" x 30" in) |

| Optional interfaces | |
|---------------------|--|
| Analog outputs | optional, conductivity, cell temperature |
| MODBUS interface | TCP/IP or Serial/RTU MODBUS output available |