

Explosion protection

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| Ex protection marking | ATEX: Ex db IIB T6 Gb IECEX: Ex db IIB+H2 T6 Gb CSA/CUS Class I Div 1 Group B, C + D CE ⁰⁵¹⁸ |
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Technical data

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|------------------------------|--|
| Technology | automatic optical detection, absorbance or reflectance |
| Method | correlates with: ASTM D2386 |
| Measuring range | -125 to 25 °C (-193 to 77 °F) |
| Repeatability | 0.25 °C |
| Reproducibility | ≤ ASTM |
| Measuring cycle | typical is less than 15 min |
| Product streams | jet fuel is normal, kero |
| – Electrical data | IP 65 |
| 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 | 600 W |
| – Protection class | IP 65 |
| – Ambient conditions | |
| Ambient temperature | 0 to 30 °C (32 to 86 °F) |
| Ambient humidity | up to 90 % |
| Sample | |
| Quality | clean and filtered, less than 10 µm |
| Consumption | 60 to 120 l/h; 2 bar (29 psi) |
| Pressure at inlet | 2 to 24 bar (29 to 348 psi) |
| Temperature at inlet | -15 to 85 °C (5 to 185 °F) |
| Utilities | |
| – Instrument air Consumption | If air cooled cyro then 25 CFM |
| Vortec Purge | 12 l/h |
| Pressure at inlet | 24 bar (80 to 350 psi) |
| Quality | plant air |
| – Coolant | None required |
| Consumption | if liquid cooled cyro then 120 l/h (air cooled/no coolant) |
| Temperature | 0 to 40 °C (32 to 104 °F) |
| Pressure at inlet | 1 to 20 bar (min 2 bar different) |
| Quality | clean and filtered |

Signal outputs and inputs

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|-----------------|---|
| Analog outputs | Freeze Point, cell temperature, optical signals |
| Digital outputs | F.P. alarm, analyzer fault, come read (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 | 1 standard 4-20 mA self powered and isolated, 1 optional |
| Analog inputs | None required |
| Digital outputs | up to 3 dry contacts 250 V AC, 3 A |
| Digital inputs | up to 4 dry contact, customer alarm, remote standby, stream switch, validation |

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 |

Weight and dimensions

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|------------------------|---|
| Weight | approx. 340 kg (750 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 (Sig0, Sig90, cell temperature) |
| MODBUS | TCP IP/Serial RTU |



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Important notice P-800LT is subject to continuous product improvement, specifications are preliminary and may be subject to change without notice. If your technical data do not comply with existing data, please contact us for technical clarification.

