

Product Specifications

Model	LG-117
Principle	IRLAM : Infrared Laser Absorption Modulation
Cell temperature	180 °C
Measurement gas and Full Scale	SIF ₄ 10 mTorr
Repeatability *1	±1 %F.S.
Linearity *1	±1 %F.S.
Zero noise *1	≤ 1 %F.S. as 3 standard deviation
Zero drift *1	±1 %F.S. / 8 h
Ambient temperature	20 - 50 °C
Pressure sensor range	1 Torr
Pressure sensor accuracy *1	±1 %F.S.
Warm-up time	≥ 120 min
Wetted material	SUS316L, SUS304, Au, FKM, BaF ₂
Fitting	NW40
Leak rate	≤ 1 × 10 ⁻⁶ Pa·m ³ /s (He)
Proof pressure	200 kPa (A)
Cell heater	Temperature sensor : Thermocouple K type Thermostat : 230 °C (Manual reset)
Digital communication	EtherCAT® *2
Analog communication	Analog output : 0-10 V 4 ch Contact input : 5 ch, Contact output : 4 ch
Power supply	Sensor unit : 24 VDC, 2.5 A Cell heater : 100 VAC ±10 %, 240 VA
Dimensions (mm)	Sensor unit : W440 × H150 × D170 (excluding protuberance) Communication converter box : W80 × H87 × D92 (excluding protuberance)
Weight	Sensor Unit : 10 kg Communication converter box : 0.6 kg

*1 : The specifications are guaranteed under HORIBA STEC's inspection conditions using calibration gas.

*2 : EtherCAT® is a registered trademark and patented technology, licensed by Beckhoff Automation GmbH in Germany.