

# IR-400 Series

## Specification

Model	IR-422		IR-432
	SiF <sub>4</sub> , CF <sub>4</sub>	WF <sub>6</sub> , NF <sub>3</sub>	
Meas. gas & full scale	SiF <sub>4</sub> : 100mTorr, CF <sub>4</sub> : 100mTorr	WF <sub>6</sub> : 200mTorr, NF <sub>3</sub> : 200mTorr	SiF <sub>4</sub> : 3800mTorr
Cell length	200mm		30mm
Cell set temperature	180°C	100°C	180°C
Heater jacket	208V, 84VA	208V, 94VA	115V, 132VA
	T/C K-type, Thermostat (Manual reset)		
Repeatability *1	±0.5%F.S.		
Linearity *1	±1%F.S.		
Zero noise *1	±0.5%F.S.(3σ)		
Zero drift *1	±1%F.S./day		
Ambient temperature	20-35°C		20-50°C
Warm-up time	≥120min		
Wetted material	SUS316L, BaF <sub>2</sub> , FFKM	SUS304, ZnSe, FFKM	SUS316L (Clean S AF type), BaF <sub>2</sub> , FFKM
Fitting	NW25 flange	NW50 flange	NW25 flange
Leak rate	≤1x10 <sup>-6</sup> Pa·m <sup>3</sup> /s (He)		
Proof pressure	300kPa (A)		
I/O interface	AO: 0-5VDC, AI: 0-10VDC DO: 4ch, DI: 1ch (Zero)		AO: 4-20mADC, AI: 0-10VDC DO: 4ch, DI: 1ch (Zero)
Digital communication	RS485 (F-Net)	RS485 (F-Net), RS232C (mini PC)	RS485 (F-Net)
Power supply	24VDC, 1.5A		
Dimensions (mm)	W433×H117.5×D83	W433×H93×D83	W259×H130×D86
Weight	3.2kg	3.8kg	2.8kg
Certification	CE, FCC		

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