

Specification

Basilisk IR4 Flow Meter

Gas Temperature Range	-40°C to 1200°C dependent on target gas mix	
Velocity Range	2.5 – 40 m/sec standard Low range available from 1 m/sec	
Resolution	0.2% of reading	Typical
Error	<2%	Of full scale
Zero Drift	N/A	
Span Drift	Less than 0.5% over temperature	
Additional Measured Parameters		
Gas Pressure	800mbA to 1500mbA Extended range down to 50mbA	
Gas Temperature	-40°C to 1200°C	
Ambient Temperature	-40°C to 55°C	
Output	Four 4 – 20mA analogue outputs	Analogue O/P 1 for velocity Analogue O/P 2 for velocity, volumetric or mass flow Analogue O/P 3 for any internal parameter Analogue O/P 4 for any internal parameter
	Six status relays	System OK, Warning, Alarm, Maintenance, Cal in progress, Cal timing
Measure Path Length	0.5 metres – 2.5 metres	
Serial Communications	RS232 or RS485	With proprietary protocol providing access to all internal parameters
Power Requirements		
Transmitter	8 – 36V 8W max	
Receiver	8 – 36V 8W max	
Display control unit	86Vac – 275Vac 30W max	System including display control unit, transmitter and receiver
Environmental		
Enclosure rating	IP65	
Temperature range	-10°C to 55°C	

PERCEPTION
Sensors and Instrumentation