

| iSonic - Technical Data | | |
|---|-----------------------|---|
| Path Arrangement | | 6 paths – Cross Configuration (3 inch only) 8 paths– Cross Configuration |
| Size | | 3" to 24" (Standard) other sizes on request |
| Measurement Principle | | transit time |
| Repeatability | | ≤0.05% (standard calibration) |
| Accuracy | | Class 0.5 |
| Pipe requirements | with flow conditioner | Upstream straight length ≥ 5D, Downstream straight length ≥ 3D |
| | no flow conditioner | Upstream straight length ≥ 5D, Downstream straight length ≥ 3D |
| Gas Temperature Range | | –40 °C to +110 °C |
| Pressure Range | | 0 psig to 2250 psig (Standard 150#, 300#, 600#, 900#) 100 psig to 3750 psig (Extended 1500#) |
| Ingress protection | | IP66 |
| Environment | | |
| Ambient temperature | | –40 °C ~ +70 °C |
| storage temperature | | –40 °C ~ +70 °C |
| Ambient humidity | | ≤95%, non-condensing |
| Conformities and Haz Loc Approvals | | |
| Conformities | | OIML R 137-1&2:2012 ISO 17089-1 ATEX: 2014/34/EU AGA-Report No. 9 |
| Hazardous Approvals | | ATEX/IECEX Ex db ia mb IIB+H2 T4...T6 NEC/CEC (US/CA) Explosion-proof / Intrinsically Safe: Class I, Div. 1 Groups B, C, D, T4...T6 |
| Inputs/Outputs | | |
| Analog Outputs | 2 | 4 to 20mA, electrically isolated |
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| Digital Outputs | 4 | 2 x status, 2 x pulse $f_{max} = 10\text{kHz}$ passive, electrically isolated, internal or external power, open collector |
| Communication Ports | RS485 | Modbus RTU 3 x RS485 |
| | Ethernet | 1 x Ethernet 1 x Wi-Fi |
| | Cloud communication | 4G |
| Power | | |
| Voltage | | 12-30 VDC |
| Power Consumption | | 5W, (6W during 4G communication) |
| Data Storage | | |
| Archived data | Meter | Every Minute (10,000 records) Hourly (10,000 records) Daily (5,000 records) |
| | Cloud | Every Minute (10,000 records), on demand Hourly (no limit) Daily (no limit) |
| Alarm/Event Log | Meter | Event Log (10,000 events) Parameter modification Log (1,000 modifications) Alarm Log (1,000 alarms) |
| | Cloud | Event Log (no limit) Parameter Modification Log (no limit) Alarms Log (no limit) |