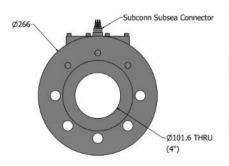The Omni Instruments Subsea Ultrasonic flow meter is suitable for measuring the flow of clean fluids such as sea water, oil, or chemicals in subsea pipelines. Units are available for pipe diameters from 0.5 inch to 6 inch with flange or threaded connections in durable 316 Stainless Steel or a lightweight anodised aluminium. The meter has RS485 Modbus, 4-20mA (Flow rate) and digital (Flow total or alarm) outputs. Power supply required is 9-36v DC. Meters can be supplied with pressure test and calibration certificates.
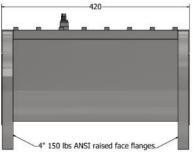
Meters are built to your specific requirements for line size, internal diameter, process fitting, and subsea connectors. Meters can be fabricated from 316 stainless steel, or a lighter weight aluminium.

- **Ideal for clean liquid flow measurements**
- **Wide pipe size range (from 0.5" to 6")**
- **Non-invasive. No moving parts. No pressure drop**
- **Operating depth to 3000 metres seawater**
- **Pre-configured and set up. No programming required**
- **Measures velocity, volumetric and total flow**
- **RS485 MODBUS, 4-20mA and pulse (flow total) outputs**
- **Supplied with pressure test certificate**
- **Calibration certificate available for improved accuracy**

Repeatability	Better than 1%
Accuracy	Better than +/- 1 for velocity above 0.6ft/sec
Response Time	0.5 sec
Signal Outputs	4-20mA for flow rate, accuracy 0.1%
	OCT output: pulse signal for accumulated flow rate (positive, negative and net rates); frequency signal for instantaneous f low rate (0~9,999Hz selectable)
	RS485 Output with MODBUS slave support
Housing Material	316 stainless steel or anodised aluminium
Media Types	Virtually all commonly used liquids (full pipe)
Liquid Temperature	-40 to +140 deg C
Suspension Concentration	< 1%, particle size smaller than 75um
Depth Rated	3000 metres sea water
Electrical Connection	Subcon micro connector
Power Supply	9-36v DC

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