

ISSYS' New Density Meter

FUELSSENSE DENSITY METER

MARKET NEED

Cost pressures and the array of biofuels are generating new markets for sensors to assist in fuel blending, indentifying fuel type, conversion to mass from volumetric inflow, custody transfer, and insuring fuel quality. Different petrochemicals and the new alternative fuels have different density values.

ISSYS SOLUTION

ISSYS has developed a small, unique fuel density meter that can satisfy the requirements for the petrochemical and emerging alternative energy fuel market at an affordable price. It is based on MEMS technology using a resonating micro tube similar to those found in Coriolis meters. Customer safety in harsh environments has been the driving force of many of the features of the meter.



Target Markets:

- Aviation Fuel
- Petrochemicals, Gasoline
- Ethanol, Biofuels
- Fuel Blending and Quality Monitoring

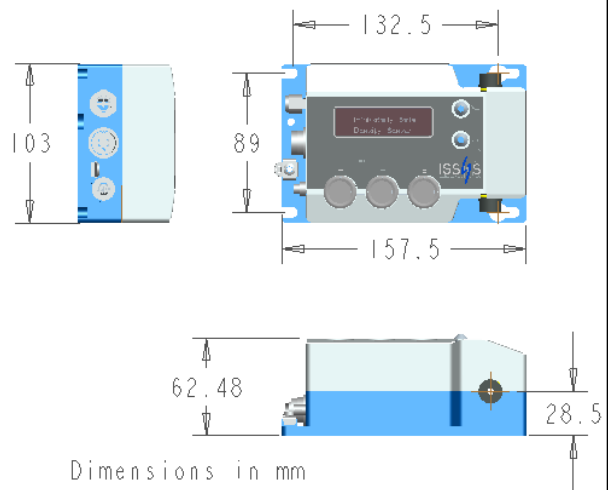
Features & Options:

▪Density Output	Subject to Modification 0.6 g/cc to 1.3 g/cc ± 0.001 g/cc
▪Meter Temperature Output	-20°C to 60°C
▪Operating Pressure	Maximum 20 bar
▪Digital Outputs	RS232 or USB
▪Analog Outputs	Qty 2, 4-20mA
▪Flow Indicator	
▪Process Connections	Compression fittings, up to 1/4"
▪Data Logging Option	2GB capacity
▪Protection Type	IP 67/NEMA 4X
▪Approvals	CE, CRN
▪Ex Approvals	ATEX II 2 G Ex ia II C T4, UL/CSA Cl. 1 Div. 1 ABCD

Measures:

Density *
Sensor Temperature
Flow/No Flow Indicator

*Output units available: Metric, US



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