

About Us

Founded in 1977, Confab Instrumentation has been manufacturing specialty electronic instrumentation, particularly for water filtration and water treatment. Other applications include environmental monitoring, dairies, breweries and pulp and paper mills. We produce both submersible and insertion sensors for inline, tank, and open stream measurement.



About Our Products

Our product line includes instruments that can measure turbidity and suspended solids from as low as 2 NTU full-scale up to 50% solids. The sensors are constructed from chemical-resistant 316 stainless steel and are extremely rugged. The optical sensors have no moving parts, giving high reliability and accuracy. The instruments are available with a variety of options, including NEMA 4X electronics enclosures, submersible sensors, and pipe insertion assemblies.



All instruments have linear, isolated outputs and come with a limited one-year warranty.

CONFAB
INSTRUMENTATION
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**Turbidimeters
and
Suspended Solids Monitors
for
Inline and Open Channel
Measurement**

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Turbidimeter: Model 850

Measures turbidity or low-level suspended solids in fluids (up to 2000NTU)



This unique turbidimeter features an insertion-type sensor that can be used in any size pipe, eliminating the need for costly bypass systems. The innovative design minimizes the effects of fluid color. In-situ measurements provide instantaneous, accurate readings. The turbidimeter comes standard with a choice of isolated linear outputs and a 4-position calibrated range dial allowing the user to select the most appropriate of four NTU range scales. A submersible sensor is optional.

Suspended Solids Monitor: Model 950

Measures high-level suspended solids in fluids (up to 50% solids)

This innovative suspended solids monitor accurately measures the concentration of solids in clear or colored fluids. The instrument offers a low range scale of 0 to 2000ppm and scales up to 0 to 50% suspended solids, and is available with either an insertion-type or submersible-type sensor. The insertion-type sensor slips through a compression fitting which allows installation into any size pipe, eliminating costly bypass systems. The submersible sensor can be used in tanks, ponds or open channel applications.



SPECIFICATIONS

850 TRANSMITTER

Display	3-1/2 digit LCD indicator
Range	0 to 2, 0 to 20, 0 to 200, 0 to 2000 NTU switch selectable
Input	Model 850 Sensor
Output	4 to 20 mA into 600 ohms max. isolated, others available
Resolution	0.05%
Repeatability	Range dependent 0.01 NTU
Accuracy	2%
Ambient Temp.	32°F to 120°F (0°C to 50°C)
Alarms	Optional dual alarms
Enclosure	NEMA 1 or NEMA 4X
Dimensions	
NEMA 1	11" wide x 6" high x 4" deep
NEMA 4X	11-7/8" wide x 7-1/4" high x 6-3/4" deep
Mounting	
NEMA 1	Panel or wall mount
NEMA 4X	Wall or pipe mount
Power	115/230 VAC @ 50/60 Hz, 5 Watts. Optional 12 & 24 VDC etc.
Shipping Weight	16-24 lb. depending on options

950 TRANSMITTER

Display	3-1/2 digit LCD (0 to 2, 0 to 20, 0 to 200 or 0 to 2000 scales)
Range	0 to 2000ppm to 0 to 50% full scale
Input	Model 950 sensor
Output	4 to 20 mA into 600 ohms max. isolated, others available
Resolution	0.05% of full scale
Repeatability	0.05% of full scale
Ambient Temp.	32°F to 120°F (0-50°C)
Alarms	Optional dual alarms
Enclosure	NEMA 1 or NEMA 4X
Dimensions	
NEMA 1	11" wide x 6" high x 4" deep
NEMA 4X	11-7/8" wide x 7-1/4" high x 6-3/4" deep
Mounting	
NEMA 1	Panel or wall mount
NEMA 4X	Wall or pipe mount
Power	115/230 VAC @ 50/60 Hz, 5 Watts. Optional 12 & 24 VDC etc.
Shipping Weight	16-24 lb. depending on options

850 & 950 SENSORS

Type	Insertion Probe	Submersible Probe
Size	Pipes greater than 2 inches	Open channel/tanks
Wetted Parts	316 stainless, glass	316 stainless, glass
Process Temp.	15°F to 230°F (-10°C to 110°C)	15°F to 140°F (-10°C to 60°C)
Pressure	0 to 150 psig	0 to 50 psig (110 feet of water)
Mounting	1" NPT male	Cable or rigid mount
Dimensions		
Diameter	7/8"	7/8"
Length	12"	8"
Junction Box	2 X 4 X 2"	None

Typical Sensor Installations

