

Specifications

850 TRANSMITTER

Display	3.5 digit LCD indicator
Range	0-2, 0-20, 0-200, 0-2000 NTU switch-selectable
Input	Model 850 Sensor
Output	4-20 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 (standard) or NEMA 4X (optional)
Dimensions	NEMA 1 11" W x 6" H x 4" D NEMA 4X 11.875" W x 7.25" H x 6.75" D
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 lbs. depending on options

950 TRANSMITTER

Display	3-1/2 digit LCD (0-2, 0-20, 0-200 or 0-2000 scales)
Range	0-2000ppm to 0-50% full scale
Input	Model 950 sensor
Output	4-20 mA into 600 ohms max. isolated, other outputs 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 (standard) or NEMA 4X (optional)
Dimensions	NEMA 1 11" W x 6" H x 4" D NEMA 4X 11.875" W x 7.25" H x 6.75" D
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 lbs. depending on options

850 & 950 SENSORS

Type	Insertion	Submersible
Size	Pipes >2"	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' of water)
Mounting	1" NPT male	Cable or rigid mount
Dimensions	0.875" diameter 12" length	0.875" diameter 8" length
Junction Box	2" X 4" X 2"	None

851 TURBIDITY SENSOR

Range	0-2, 0-20, 0-200, 0-2000 NTU switch-selectable
Power	24 VDC @ 100mA standard, 12VDC @ 200mA optional
Output	4-20mA DC into 600 ohms max. isolated, other outputs available
Pipe Size	>2"
Wetted Parts	316 Stainless, glass
Process Temp.	15°F to 230°F (-10°C to 110°C)
Pressure	0 to 150 psig
Mounting	1" NPT male
Resolution	0.001 NTU
Repeatability	0.001 NTU
Accuracy	1% of scale
Ambient Temp.	32°F to 120°F (0°C to 50°C)
Enclosure	Dust Proof, Waterproof
Shipping Weight	6-10 lbs. depending on cable length
Dimensions	Tube Diameter 0.875" Tube Length 12" Junction Box 2.5" X 3" X 6" Overall Length 21"

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

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

confabinstrumentation.com
(209) 223-1090

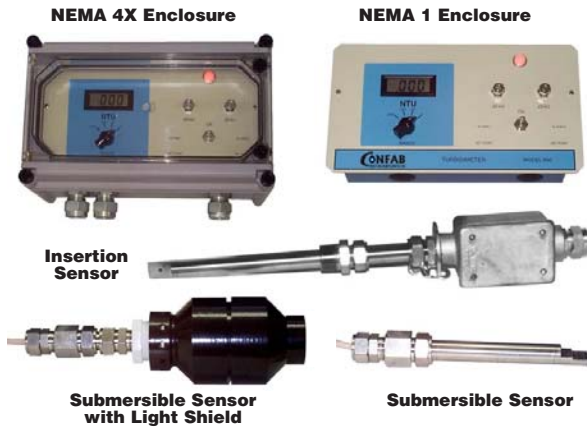
CONFAB

INSTRUMENTATION

11180 Ranchette Dr., Jackson, CA 95642 USA
(209) 223-1090 • confabinstrumentation.com

Turbidimeter Model 850

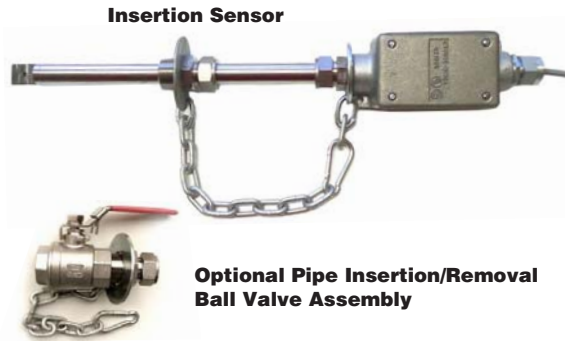
Measures turbidity or low-level suspended solids in fluids (2 to 2000NTU)



This unique turbidimeter features an insertion-type sensor that can be used in any size pipe, eliminating 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 for tanks and open channels.

Turbidity Sensor Model 851

Measures turbidity or low-level suspended solids in fluids (2 to 2000NTU)



This rugged DC-powered insertion-type probe measures turbidity as a standalone unit. Since the sensor can be inserted into any size pipe, costly bypass systems are not required. The design eliminates the effects of fluid color. In-situ measurements provide instantaneous, accurate readings and the sensor has an isolated linear 4-20mA output for connection to control/monitoring systems. Calibrated range switches allow for the selection of four NTU ranges.

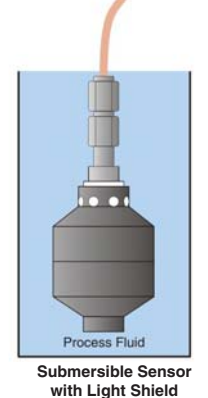
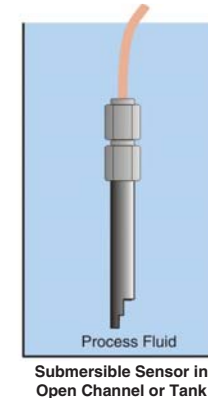
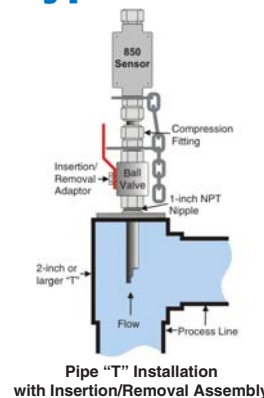
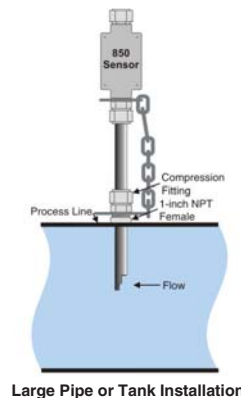
Suspended Solids Monitor Model 950

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.

Typical Sensor Installations



11180 Ranchette Dr.
Jackson, CA 95642 USA
(209) 223-1090
confabinstrumentation.com