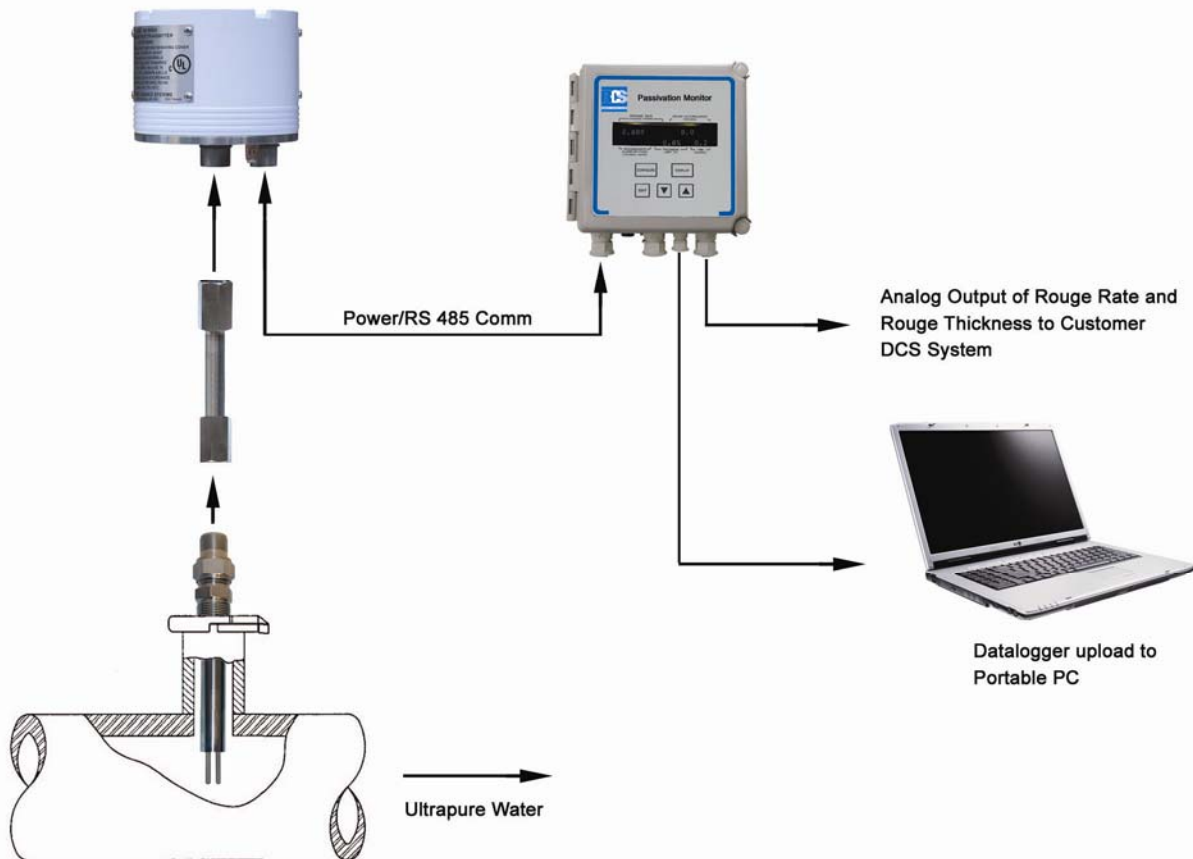


Rouge Alert™ Passivation Monitor



- ***Downtime costs reduced by planned re-passivation schedules***
- ***Alarm Abnormal water quality and process changes***
- ***Instantaneous Rouge Rate in microns/month***
- ***Accumulated Rouge in microns***

The Rouge Alert™ was developed specifically for stainless steel ultrapure water systems. The patented Solution Resistance Compensation (SRC) incorporated in our electrochemical measurement technology enables very low corrosion (rouging) rates to be measured accurately in the high resistivity of ultrapure water.

The Rouge Alert™ has a high sensitivity front end probe/transmitter and a remote display, data logger, and analog retransmission unit. The remote display unit provides analog 4-20 mA outputs of rouging rate in microns/month and accumulated rouging in microns for connection to a DCS or SCADA system. In addition, the on-board data logger enables

independent data accumulation for direct transfer to a laptop, which is convenient for your water treatment service provider. The display unit provides power and RS 485 digital communication to the sensing probe and transmitter, enabling the display unit to be mounted up to 4000 feet from the probe/transmitter.

The resistivity of ultrapure water is 18.2 Megohms at 25C. Normal rouging rates are in the range of 0 to 0.010 microns per month. The Rouge Alert™ accurately measures the rouging rate in the range of 0 to 0.100 microns per month, and will display rouging rate excursions up to 2.000 microns/month.

Specifications:

Probe:

Single stainless steel probe body with replaceable stainless steel (or other alloy) electrodes
Mounting: Tri-Clover Flange

Transmitter:

Model E-9020 Corrat[®] Transmitter with connecting adapter for direct mounting to monitoring probe.
(Separate mounting bracket available if required)

Enclosure:

IP 67

Dimensions:

4.5" diameter by 3" high excluding connectors

Weight:

3.5 lbs (1.6 Kg)

Display Unit:

Display of Rouging rate (0 to 2.000 microns/month)
Rouge thickness (0 to 2.000 microns)
Alarm setpoint (0 to 2.000 microns/month)
Running time (0 to 50 months)

Datalogging Interval

Settable from 30 minutes to 24 hours

Datalogged Parameters

Date and time stamped rouging rate and rouge thickness

Enclosure: NEMA 4X

Power Requirements:

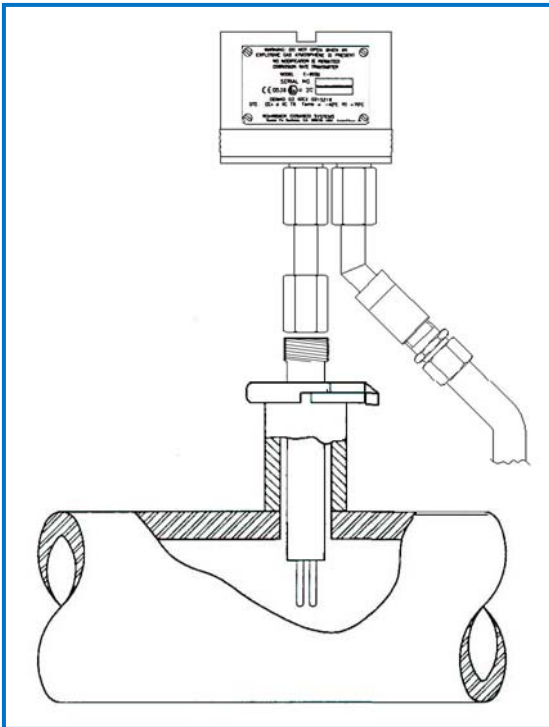
115/240 VAC Hz Supply at 15 watts

Alarm output relay:

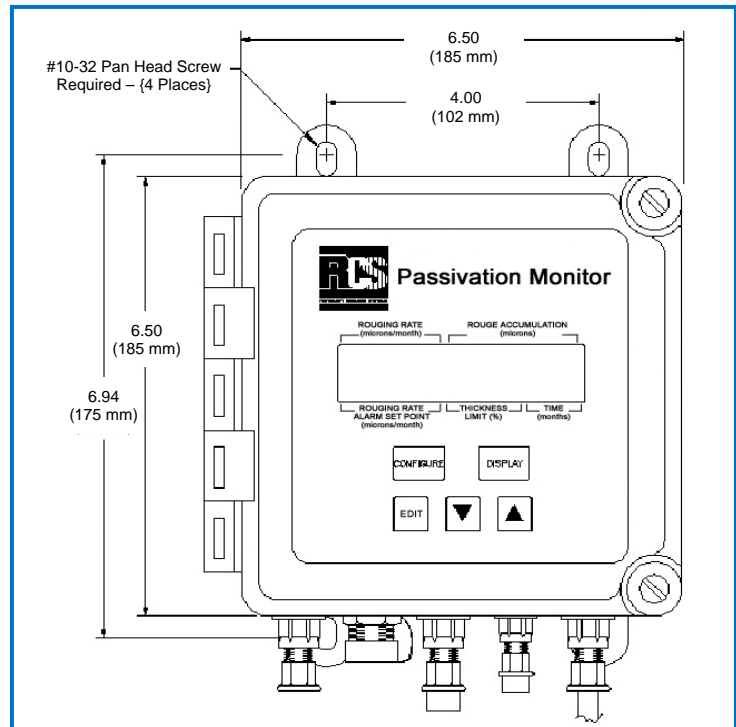
1 SPDT 1 amp at 230 VAC

Weight:

3 lbs (1.4 Kg)



Probe and Transmitter



Display/Datalogger/Retransmission Unit



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