

NanoTron-M

Corrosion Monitor and Control

Linear Polarization Resistance
(LPR) Corrosion Rate
Measurement



Key Features

- Compact Design
- Simple Step Through Menu
- NEMA 4X Style Enclosure
- Raised Dome Keypad
- Non-Volatile Memory
- 2 Year Warranty
- Prewired Configuration

Application

The NanoTron-M provides compact microprocessor based corrosion monitor control with many standard features and the flexibility to adapt to a variety of applications.

The NanoTron's simple step through menu provides user-defined configuration of set point relay activation with differential, high and low alarm.

A control relay and scalable analog output provide control, alarm and communication capabilities.

Base Models

- NANO-M0** = Corrosion monitor with no sensor body
- NANO-M01** = Corrosion monitor with PVC quick release probe body and 3/4" tee; 140 PSI @ 75°F
- NANO-M02** = Corrosion monitor with 1" SS threaded probe body; 200 PSI @ 200°F

Options

Your unit may be supplied with one or more options listed at the end of the model number (i.e. **NANO-M0-AE3**). This list represents our most popular options. For a complete list of options, consult the factory.

- A** = 120 VAC conduit connections
- A3** = Liquid tight only with CE mark, 120 VAC
- A5** = USA power cord and no relay cord
- A7** = Australian power cord (240 VAC)
- E** = Float style flow switch assembly; 140 PSI @ 75°F
- E3** = Paddle flow switch with PVC flow assembly
- E5** = Paddle flow switch with brass assembly; 250 PSI @ 75°F (order appropriate probes)
- E6** = Flow switch connection only with cable
- W** = Larger enclosure with clear lockable cover
- Y** = ETL agency listing

Corrosion Sensor Tips (order separately)

- CE-MS** = Pair of Mild Steel
- CE-CO** = Pair of Copper
- CE-BR** = Pair of Admiralty Brass
- CE-CN** = Pair of Cupro-Nickel
- CE-AL** = Pair of Aluminum
- CE-SS-304L** = Pair of 304 SS

Consult factory for other tip materials

Specifications

Electrical

- **Input:** 100-240 VAC, 50/60 Hz
- **Control/Alarm:** Input VAC, 3 Amp / relay
Prewired units are supplied with an 8' (248.84 cm) power cord and an 8" (20.32 cm) output receptacle.
- **Analog Output:** Isolated 4-20mA

Operational

- **Display:** LCD 1 x 16 backlit alphanumeric
- **Keypad:** 6 button, raised dome tactile feedback
- **Scale:** 00.00-99.99 mils/year

Enclosure

Heavy duty NEMA 4X style high impact thermoplastic

Environment

- Ambient temperature: 0° to 125°F (-17 to 52°C)
- Relative humidity: 0 to 100%

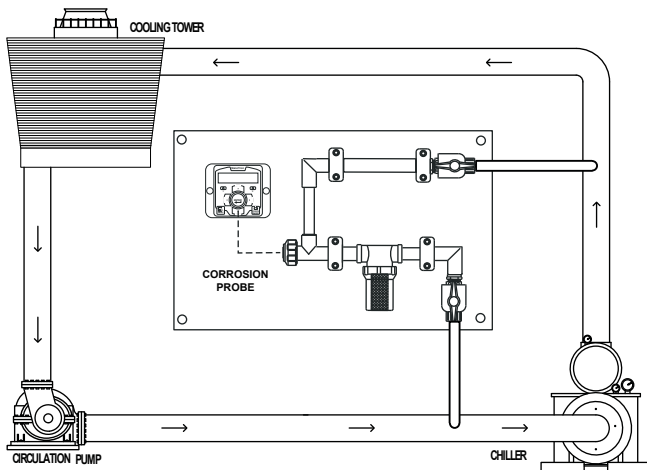
- Shipping Weight:** Approx. 2 lbs. (0.91 kg)
W Option: 6 lbs.

Dimensions:

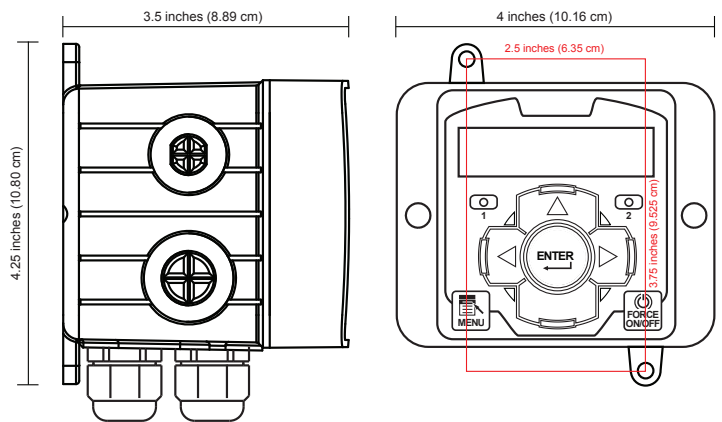
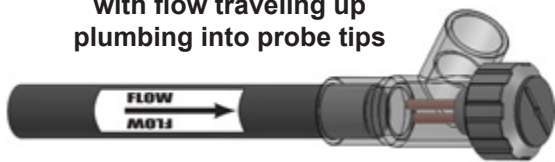
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|---------|------------------|-----------------|----------------|
| Width: | 4" (10.16 cm) | W Option | 7.5" (19.0 cm) |
| Height: | 4.25" (10.80 cm) | | 7.5" (19.0 cm) |
| Depth: | 3.5" (8.89 cm) | | 5.9" (14.9 cm) |

NanoTron-M standard features include:

- 1 relay output (control)
- Scalable analog output (4-20mA, 0-5 VDC)



Typical installation with flow traveling up plumbing into probe tips



Note: Probe must be mounted horizontally. The inlet to the corrosion probe tee must have at minimum 8" of straight 3/4" rigid pipe. No other loop components can be installed in this section of pipe immediately before the corrosion probe tee; this includes measurement probes, elbow fittings, or tee fittings. Any adapters or pipe size changes must occur prior to this 8" section of pipe.

Get the Advantage



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