

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
- Pitting Output Available

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
NANO-M20 = Corrosion and pitting monitor with no sensor
NANO-M21 = Corrosion and pitting monitor with PVC quick release probe body; 140 PSI @ 75°F
NANO-M22 = Corrosion and pitting 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.

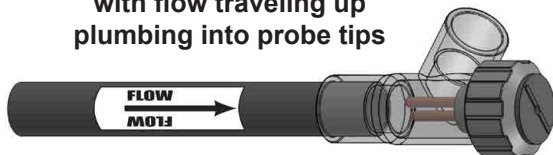
- A** = 120 VAC conduit connections
A2 = Class F power cord, relay liquid tights, CE mark, 240 VAC relays
A3 = Liquid tights only with CE mark, 240 VAC
A5 = USA power cord and no relay cord 120 VAC
A7 = Australian power cord (240 VAC)
E = Float style flow switch assembly; 140 PSI @ 75°F
E3 = Paddle flow 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
K = Prewired mA output cable on M0 models
K2 = Prewired mA output cable on M2 models
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

**Typical installation
with flow traveling up
plumbing into probe tips**



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 corrosion pitting

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%

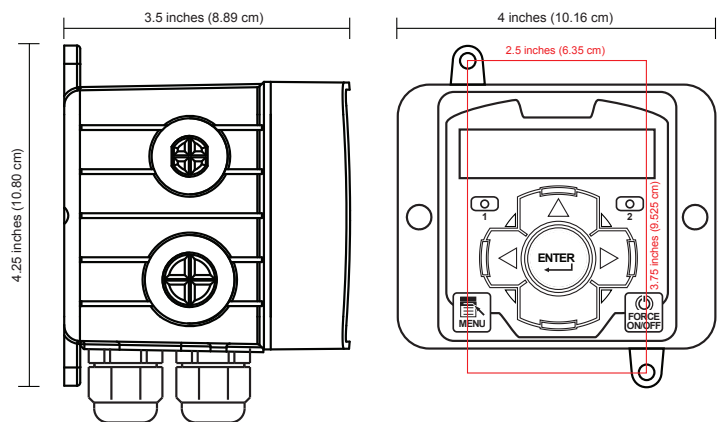
Shipping Weight: Approx. 2 lbs. (0.91 kg)
W Option: 6 lbs.

Dimensions:

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



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

