Electrostatic Fieldmeter Sensors

model 1036E
1036F

Which is right for you?

The Model 1036E is designed for industrial applications where ruggedness is vital. This unit is housed in heavy-duty Crouse Hinds 1/2-FS1 electrical switch boxes with stainless steel covers.

The Model 1036F is smaller and lighter for ease of use in less severe environments.

Both types have built-in provisions for purging with filtered air or inert gas to prevent drift and to provide additional safety in hazardous areas. (Both Model 1036 sensors are approved by Factory Mutual for use in hazardous locations. See Specifications for details.) Gas flow in the smaller Model 1036F is through the sensitive aperture only. To ensure thorough purging in the larger Model 1036E, gas flow is directed across the face of the probe, as well.

The best yet

Now there's a new, state-of-the-art generation of the sensors that have been performance and reliability leaders for almost three decades. Introducing the Models 1036E and 1036F. We've harnessed the latest technology to make these new sensors the best ever for applications such as

- **web monitoring** in converting, laminating and printing applications
- **safety monitoring** in explosive environments
- high-voltage **transmission line monitoring**
- virtually any **static monitoring or control applications**

- **For Model 177A fieldmeter system and Model 257D portable fieldmeter**
- **Cable lengths up to 1000 feet**
- **Operating temperatures to 100°C**
- **Approved by Factory Mutual as intrinsically safe**
- **Gas purgeable for even greater safety and less drift**
- **Wide selection of probe sensitivities**
- **Latest technology, highest performance**

www.trekinc.com/Monroe
190 Walnut St. | Lockport | NY | 14094
716-438-7555 | fax 716-201-1804

TREK Has Joined Advanced Energy

Electrostatic Fieldmeter Sensors
1036E, 1036F

Specifications:

Specifications for Model 1036E(H) and Model 1036F(H) are identical except as noted.

Standard Range
1036 (E or F) -6: 0 to ±10kV/inch

Optional Ranges
1036 (E or F) -3: 0 to ±1kV/cm (100kV/m)
1036 (E or F) -4: 0 to ±10kV/cm (1MV/m)
1036 (E or F) -5: 0 to ±20kV/cm (2MV/m)
1036 (E or F) -7: 0 to ±1kV/inch
(Custom ranges available at additional charge.)

Accuracy: Better than 3% of full scale

Sensitivity: 0.025% of full scale

Long-term drift: <1% of full scale

Noise: <0.05% of full scale

Response speed: 150 ms from 10% to 90% of full scale; 1 sec max

Operating temperature range:
E & F - -30° to 80°C
EH & FH - -30° to 100°C

Industry Approved by **Factory Mutual approvals: Research** STD 3610:2010 as intrinsically safe for use in Class I, Division 1, Group C and D hazard ous locations when used with approved IS barriers.

Dimensions
1036E: $2\frac{1}{16}$" x $2\frac{3}{4}$" x 6"
(5.2 x 7.0 x 15.2cm)
1036F: $1\frac{3}{4}$" dia x $1\frac{1}{4}$"
(4.4 x 3.2cm)

Weight
1036E: 3lbs, 6oz (1.5kg)
1036F: 8oz (0.2kg)
Standard cable length - 10ft

NOTES: Accuracy, drift and noise parameters are specified with sensors purged according to manufacturer's instructions at 25°C. Some performance may be lost with sensors other than standard. Sensors are normally furnished with 10ft. cables attached. Special substitute or extension cables are available to provide total lengths up to 1000 feet.

Calibration:

Monroe Electronics instruments are factory-calibrated prior to shipment. Recalibration should be performed annually, or more frequently if specified by contract or company policy. Your instrument should also be recalibrated any time it has been repaired or tampered with. We will be happy to perform the calibration for you or refer you to one of our Authorized Service Organizations.

Warranty:

Monroe Electronics, Inc., warrants that each instrument and sub-assembly manufactured by them shall be free from defects in material and workmanship for a period of one year after shipment from the factory. This warranty is applicable to the original purchaser only.

The Monroe Electrostatic & ESD product line is now owned by Advanced Energy and managed by TREK in Lockport, NY.

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