

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**
- **ATEX approved sensors available through Extronics at www.extronics.com**
- **Gas purgeable for even greater safety and less drift**
- **Wide selection of probe sensitivities**
- **Latest technology, highest performance.**

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 ± 10 kV/inch

Optional Ranges

1036 (E or F) -3: 0 to ± 1 kV/cm (100kV/m)

1036 (E or F) -4: 0 to ± 10 kV/cm (1MV/m)

1036 (E or F) -5: 0 to ± 20 kV/cm (2MV/m)

1036 (E or F) -7: 0 to ± 1 kV/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 hazardous locations when used with approved IS barriers.

ATEX approved sensors available through Extronics at www.extronics.com

Dimensions

1036E: 2^{1/16}" x 2^{3/4}" x 6"
(5.2 x 7.0 x 15.2cm)

1036F: 1^{3/4}" dia x 1^{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 are happy to recalibrate your instrument for you at a reasonable cost, or provide information and procedures on calibration upon request.

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 finest Electrostatic instrumentation and support:

For more than 50 years - ever since we invented the feedback-nulled electrostatic voltmeter, Monroe has been the technology and quality leader in electrostatic detection and measurement instrumentation. Today we offer the world's most complete array of fieldmeters, voltmeters, and resistivity meters. Our customers include the leading makers of photocopiers and laser printers, converters and microelectronics worldwide.

We know you need quality support as well as quality products. We pride ourselves on providing our customers with the most knowledgeable applications and installation support — as well as superior customer service.

How can we help?

Contact your Monroe Electronics representative for price and delivery information on this and other ME products, to schedule a no-obligation demonstration at your convenience. For the name of your nearest dealer, or for technical or applications assistance, contact Monroe Electronics directly at the address and numbers below.