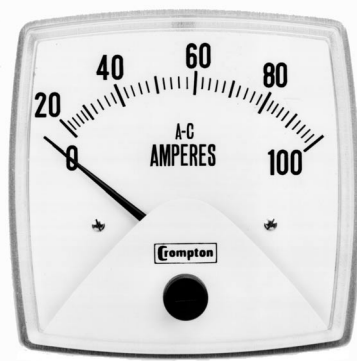


Features

- » Dust and water jet protected to IP55 (NEMA4 IEC529)
- » Withstands high levels of shock, vibration, dirt and humidity
- » The contoured window gives an exceptionally wide viewing angle
- » Complies with ANSI-C39 (IEC 51)
- » UL approval for short scale Ammeters, Voltmeters, Frequency Meters and Elapsed Time meters on selected ranges. File Number E87815
- » Instruments comply with BSEN61010-1 meets IEC414 (BS5458) Dielectric Test (2600V for 1 min)



A range of shortscale and longscale panel meters. Their rugged design will suit demanding environmental applications.

Elapsed Time Meter and Frequency Meter

| | | | |
|-------------------|---------------------------------|---------------------|--------------------------------|
| Voltage: | 100/125V, 200/250V or 480V A.C. | Temperature: | |
| Frequency: | 50Hz or 60Hz | Range: | -20°C to 65°C (-4°F to 149°F) |
| Burden: | 4VA Maximum | Storage: | -30°C to 70°C (-22°F to 158°F) |

Iron Vane A.C. Ammeter & Voltmeter

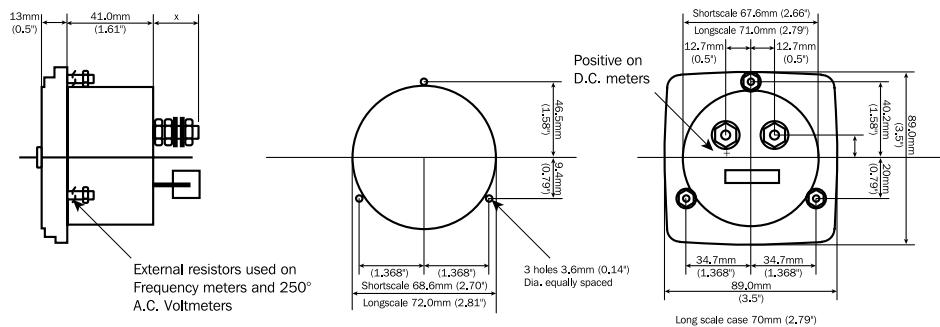
| | | | |
|--------------------|------------------------------------------------|---------------------|---------------------------------------|
| Accuracy: | Shortscale: ammeters 2.5%; Longscale: 1.5 % | Burden: | |
| Ratings: | | Ammeters: | shortscale 0.5VA; long scale 1.5VA |
| Ammeters: | Shortscale 1 to 80A Longscale 1 to 20A | Voltmeters: | 4.5VA maximum |
| Voltmeters: | 10V to 600V | Temperature: | |
| Overload: | | Range: | -20°C to 65°C (-4°F to 149°F) |
| Ammeters: | x1.2 for 2 hours 10 x for 5 seconds | Storage: | -30°C to 70°C (-22°F to 158°F) |
| Voltmeters: | x1.2 for 2 hours 2 x for 5 seconds | | |

Moving Coil D.C. Ammeter & Voltmeter

| | | | |
|------------------------|----------------------------------------|---------------------|---------------------------------------|
| Accuracy Class: | Shortscale 1.5; longscale 1.5 | Impedance: | Voltmeters 1000 ohms per Volt nominal |
| Ratings: | | Temperature: | |
| Ammeters: | 200µA to 30A (100µA shortscale) | Range: | -20°C to 65°C (-4°F to 149°F) |
| Voltmeters: | 50mV to 600V | Storage: | -30°C to 70°C (-22°F to 158°F) |
| Overload: | | | |
| Ammeters: | x1.2 for 2 hours 10 x for 5 seconds | | |
| Voltmeters: | x1.2 for 2 hours 2 x for 5 seconds | | |

Dimensions

x = Terminals
 1/4 - 28 UNF up to 59.9A 0.72" long.
 5/16 - 24UNF over 60A 0.94" long.



External resistors used on Frequency meters and 250° A.C. Voltmeters

Positive on D.C. meters

3 holes 3.6mm (0.14") Dia. equally spaced

Long scale case 70mm (2.79")

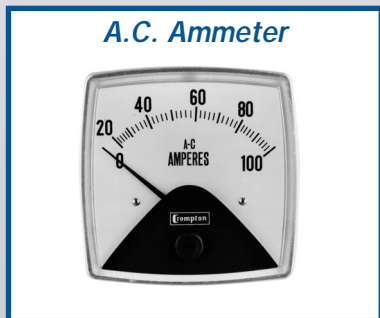
Options

On request the following are available:

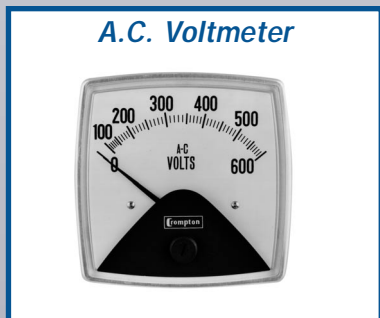
- » Supplementary Pointer
- » Non Reflecting Window
- » Heavily Damped Movement
- » Panel Gasket
- » Clamp Band Fixing long scale
- » Coloured Internal Gasket



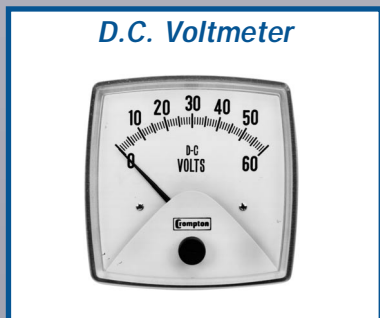
016 Series Fiesta Indicators



A.C. Ammeter



A.C. Voltmeter



D.C. Voltmeter



| Rating | Scaling* | Short Scale Catalogue No. | Long Scale Catalogue No. |
|--------|----------|---------------------------|--------------------------|
|--------|----------|---------------------------|--------------------------|

A.C. Ammeter True RMS Reading - Self Contained 40/70Hz

| | | | |
|-----|-------------------|----------------|---------------|
| 5A | 0-5a | •016-02A*-LSLS | 016-03A*-LSLS |
| 10A | 0-10a | 016-02A*-MTMT | 016-03A*-MTMT |
| 15A | 0-15a | 016-02A*-NDND | 016-03A*-NDND |
| 20A | 0-20a | 016-02A*-NGNG | 016-03A*-NGNG |
| 30A | 0-30a | 016-02A*-NLNL | 016-03A*-NLNL |
| 5A | Transformer Rated | •016-02A*-LS** | 016-03A*-LS** |

A.C. Ammeters - Moving Coil Rectified

| | | | |
|-------------|---------|-----------|-----------|
| 100µA to 1A | To Suit | 016-01B*- | 016-05B*- |
|-------------|---------|-----------|-----------|

A.C. Voltmeter True RMS Reading

| | | | |
|------|-------------------|----------------|---------------|
| 150v | 0-150V | •016-02V*-PZPZ | 016-03V*-PZPZ |
| 300v | 0-300V | •016-02V*-RXRX | 016-03V*-RXRX |
| 600v | 0-600V | •016-02V*-SJSJ | 016-03V*-SJSJ |
| 150V | Transformer Rated | •016-02V*-PZ** | 016-03V*-PZ** |



A.C. Voltmeters - Moving Coil Rectified

| | | | |
|-------------|---------|-----------|-----------|
| 15V to 600V | To suit | 016-01W*- | 016-05W*- |
|-------------|---------|-----------|-----------|

D.C. Ammeters

| | | | |
|--------|----------------------|----------------|---------------|
| 0-50mV | To Suit Requirements | 016-01A*-EC** | 016-05A*-EC** |
| 0-1mA | To Suit Requirements | •016-01A*-FA** | 016-05A*-FA** |
| 0-5mA | To Suit Requirements | 016-01A*-FX** | 016-05A*-FX** |
| 0-10mA | To Suit Requirements | 016-01A*-HA** | 016-05A*-HA** |
| 0-20mA | To Suit Requirements | •016-01A*-HF** | 016-05A*-HF** |

Milliammeters Suppressed Zero - No zero set unless specified

| | | | |
|--------|----------------------|-----------------|---------------|
| 4/20mA | To Suit Requirements | •016-01RA*-HG** | 016-05RA-HG** |
|--------|----------------------|-----------------|---------------|

Voltage Suppressed Zero - No zero set unless specified

| | | | |
|------|---------|-------------|-------------|
| 1-5V | To Suit | 016-01S*-LM | 016-05S*-LM |
|------|---------|-------------|-------------|

D.C. Voltmeters Sensitivity 1000Ω/Volt

| | | | |
|--------|--------|----------------|---------------|
| 0-15V | 0-15V | 016-01V*-NDND | 016-05V*-NDND |
| 0-30V | 0-30V | 016-01V*-NLNL | 016-05V*-NLNL |
| 0-50V | 0-50V | •016-01V*-NTNT | 016-05V*-NTNT |
| 0-150V | 0-150V | •016-01V*-PZPZ | 016-05V*-PZPZ |
| 0-300V | 0-300V | •016-01V*-RXRX | 016-05V*-RXRX |
| 0-600V | 0-600V | 016-01V*-SJSJ | 016-05V*-SJSJ |



* Please state A or B at time of ordering. A = ANSI B = BS89
 ** Customer to state required scaling at time of ordering
 • UL recognised

0-300V Scale