

016 Series Fiesta Indicators

A robust range of short-scale 3½" surface mount panel meters offering IP55 protection and featuring a wide view contoured window. The Fiesta range includes iron vane and moving coil AC and DC ammeters and voltmeters, elapsed time and frequency meters and is ideally suited for demanding environments. Options include panel gasket.

Specifications - Elapsed Time Meter and Frequency Meter

| | |
|------------------------|--------------------------------|
| Voltage: | 100/125V, 200/250V or 480V AC |
| Frequency: | 50Hz or 60Hz |
| Burden: | 4VA maximum |
| Operating temperature: | -20°C to 65°C (-4°F to 149°F) |
| Storage temperature: | -30°C to 70°C (-22°F to 158°F) |

Specifications - Iron Vane AC Ammeter and Voltmeter

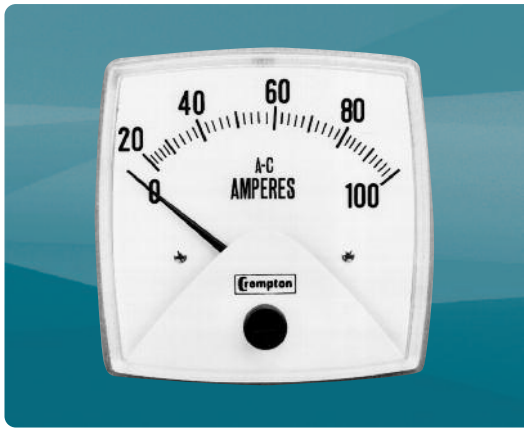
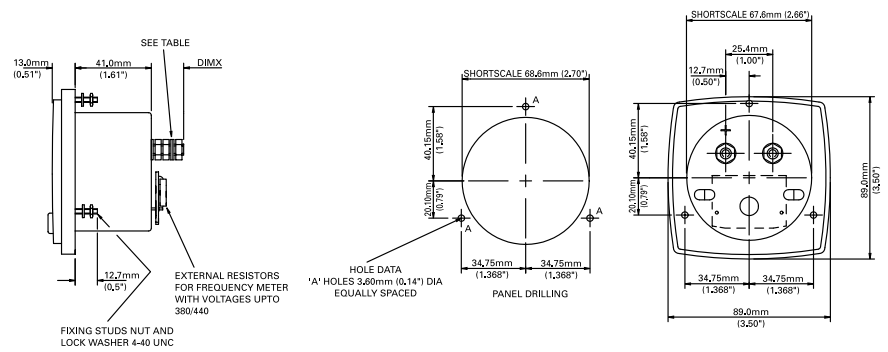
| | |
|------------------------|--|
| Accuracy: | Ammeters 2.5% |
| Ratings: | Short-scale 1 - 80A |
| Voltmeters: | 10V - 600V |
| Overload: | Ammeters: x1.2 for 2 hours, 10 x for 5 seconds |
| Voltmeters: | x1.2 for 2 hours, 2 x for 5 seconds |
| Burden: | Ammeters: 0.5VA; 1.5VA |
| Voltmeters: | 4.5VA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

Specifications - Moving Coil DC Ammeter and Voltmeter

| | |
|------------------------|--|
| Accuracy: | 1.5 |
| Ratings: | Ammeters: 100µA to 30A |
| Voltmeters: | 50mV - 600V |
| Overload: | Ammeters: x1.2 for 2 hours, 10 x for 5 seconds |
| Voltmeters: | x1.2 for 2 hours, 2 x for 5 seconds |
| Impedance: | Voltmeters: 1000 ohms per nominal volt |
| Operating temperature: | -20°C to 65°C (-4°F to 149°F) |
| Storage temperature: | -30°C to 70°C (-22°F to 158°F) |

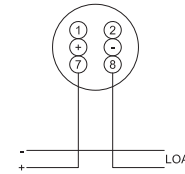
Dimensions

| Instrument | Dim X inches | Dim X mm |
|-------------------------------|--------------|----------|
| MC. INSTS | 1/4"-28 UNF | 18.0 |
| MI Voltmeter and AMM upto 59A | 1/4"-28 UNF | 18.0 |
| MI Ammeter 60A and over | 5/16"-24 UNF | 23.0 |



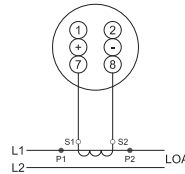
Connections

AMMETER DC
Direct connected (max rating 30A)



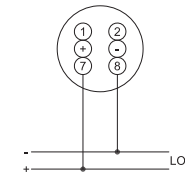
012-01A
013-01A
014-01A
016-01A

AMMETER AC



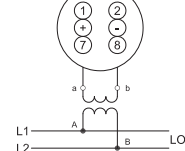
012-01B
013-01B
014-01B
016-01B
012-75A
013-75A
014-75A
016-02A

VOLTMETER DC
Direct connected (max rating 800V)



012-01V
013-01V
014-01V
016-01V

VOLTMETER AC/
FREQUENCY METER
V.T. operated



012-75V
013-75V
014-75V
016-02V
012-01W
013-01W
014-01W
016-01W



AC Ammeter Short-scale

AC Ammeter

Product Codes - True RMS Reading, Self Contained 50/60Hz

| Rating | Scaling | Cat. no. |
|--------|-------------------|-------------------|
| 5A | 0-5A | •016-02A*-LSLS-C7 |
| 10A | 0-10A | •016-02A*-MTMT-C7 |
| 15A | 0-15A | •016-02A*-NDND-C7 |
| 20A | 0-20A | •016-02A*-NGNG-C7 |
| 30A | 0-30A | •016-02A*-NLNL-C7 |
| 5A | Transformer rated | •016-02A*-LS**-C7 |

Product Codes - Moving Coil Rectified

| | | |
|------------|---------|------------|
| 100µA - 1A | To suit | •016-01B*- |
|------------|---------|------------|

AC Overload Ammeter

Product Codes - True RMS Reading, Self Contained 50/60Hz

| Rating | Scaling | Cat. no. |
|--------|-------------------|-------------------|
| 5A | 0-5-30A | •016-026*-LSLS-C7 |
| 10A | 0-10-60A | •016-026*-MTMT-C7 |
| 15A | 0-15-90A | •016-026*-NDND-C7 |
| 20A | 0-20-120A | •016-026*-NGNG-C7 |
| 30A | 0-30-180A | •016-026*-NLNL-C7 |
| 5A | Transformer rated | •016-026*-LS**-C7 |



AC Overload Ammeter

AC Voltmeter

Product Code - True RMS Reading

| Rating | Scaling | Cat. no. |
|--------|-------------------|-------------------|
| 150V | 0-150V | •016-02V*-PZPZ-C7 |
| 300V | 0-300V | •016-02V*-RXRX-C7 |
| 600V | 0-600V | •016-02V*-SJSJ-C7 |
| 150V | Transformer rated | •016-02V*-PZ**-C7 |

Product Code - Moving Coil Rectified

| | | |
|---------|---------|------------|
| 15-600V | To suit | •016-01W*- |
|---------|---------|------------|

DC Ammeters

Product Codes

| Rating | Scaling | Cat. no. |
|--------|---------|----------------|
| 0-50mV | To suit | •016-01A*-EC** |
| 0-1mA | To suit | •016-01A*-FA** |
| 0-5mA | To suit | •016-01A*-FX** |
| 0-10mA | To suit | •016-01A*-HA** |
| 0-20mA | To suit | •016-01A*-HF** |

Suppressed Zero

Product Codes - Milliammeters - No Zero Set Unless Specified

| Rating | Scaling | Cat. no. |
|--------|---------|-----------------|
| 4/20mA | To suit | •016-01RA*-HG** |

Product Codes - Voltmeter - No Zero Set Unless Specified

| | | |
|------|---------|---------------|
| 1-5V | To suit | 016-01S*-LM** |
|------|---------|---------------|



AC Voltmeter

* Please state A or B at time of ordering. A = ANSI B = BS89

** Customer must state required scaling at time of ordering.

• UL approved

DC Voltmeters

Product Codes – Sensitivity 1000Ω/V

| Rating | Scaling | Cat. no. |
|--------|---------|----------------|
| 0-15V | 0-15V | •016-01V*-NDND |
| 0-30V | 0-30V | •016-01V*-NLNL |
| 0-50V | 0-50V | •016-01V*-NTNT |
| 0-150V | 0-150V | •016-01V*-PZPZ |
| 0-300V | 0-300V | •016-01V*-RXRX |
| 0-600V | 0-600V | •016-01V*-SJSJ |

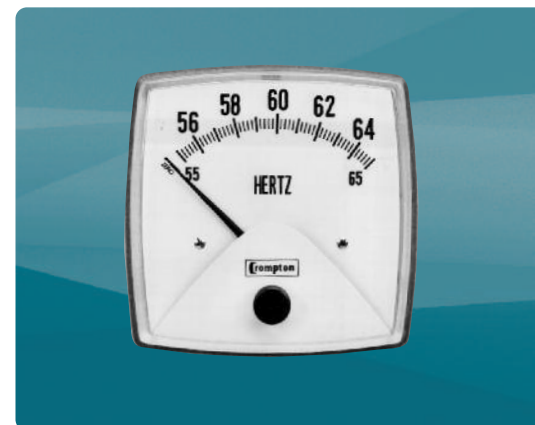


DC Voltmeter

Frequency Meters

Product Codes – 120V, Self Contained

| Rating | Scaling | Cat. no. standard case |
|--|-----------|------------------------|
| 50Hz centre frequency, -0.15 accuracy | 45-55Hz | •016-41S*-PNAG-AG |
| 55Hz centre frequency, -0.25 accuracy | 45-65Hz | •016-41S*-PNAJ-AJ |
| 60Hz centre frequency, -0.15 accuracy | 55-65Hz | •016-41S*-PNAN-AN |
| 400Hz centre frequency, -1.25 accuracy | 360-440Hz | •016-41S*-PNBI-BI |



Frequency Meter

Elapsed Time Meters

Product Codes – 99999.99 hours, Non-resettable

| Rating | Scaling | Cat. no. standard case |
|----------------|---------|------------------------|
| 110/130V, 50Hz | - | •016-155*-PNZH-C5 |
| 200/250V, 50Hz | - | •016-155*-RNZH-C5 |
| 480V, 50Hz | - | •016-155*-SEZH-C5 |
| 110/130V, 60Hz | - | •016-156*-PNZH-C6 |
| 200/250V, 60Hz | - | •016-156*-RNZH-C6 |
| 480V, 60Hz | - | •016-156*-SEZH-C6 |



Elapsed Time Meter

Transducer Indicators

Product Codes – DC Milliamp Rated

| Rating | Scaling | Cat. no. standard case |
|-------------|---------|------------------------|
| Speed | To suit | 016-012* |
| Frequency | To suit | 016-013* |
| Phase angle | To suit | 016-014* |
| Watts | To suit | 016-015* |
| VArS | To suit | 016-016* |
| VA | To suit | 016-017* |

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** Customer must state required scaling at time of ordering.

• UL approved