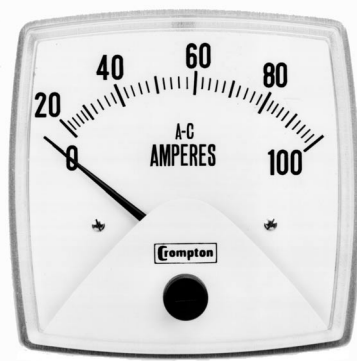


## Features

- » 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

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

## Iron Vane A.C. Ammeter & Voltmeter

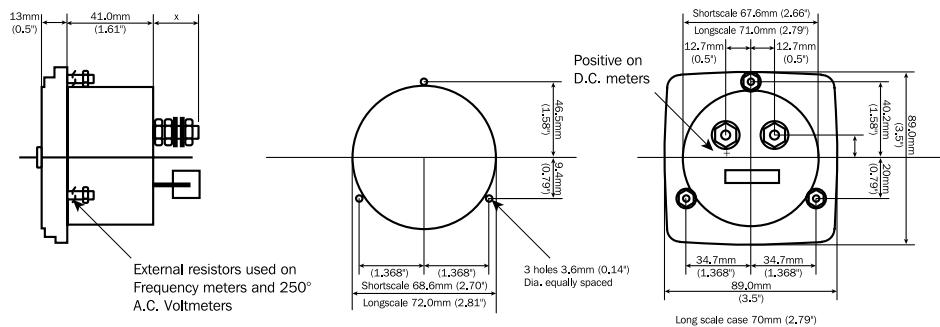
<b>Accuracy:</b>	Shortscale: ammeters 2.5%; Longscale: 1.5 %	<b>Burden:</b>	
<b>Ratings:</b>		<b>Ammeters:</b>	shortscale 0.5VA; long scale 1.5VA
<b>Ammeters:</b>	Shortscale 1 to 80A Longscale 1 to 20A	<b>Voltmeters:</b>	4.5VA maximum
<b>Voltmeters:</b>	10V to 600V	<b>Temperature:</b>	
<b>Overload:</b>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

## Moving Coil D.C. Ammeter & Voltmeter

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

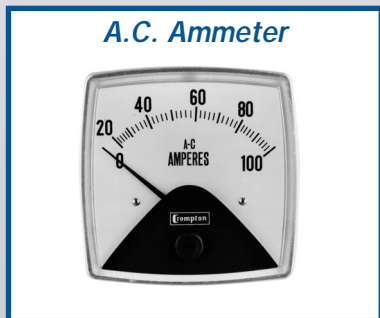
## Options

On request the following are available:

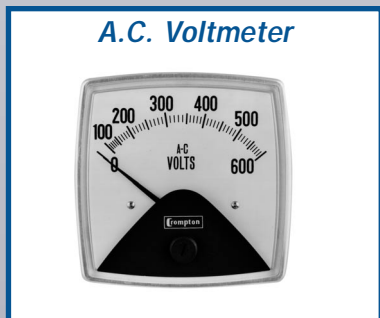
- » Supplementary Pointer
- » Non Reflecting Window
- » Heavily Damped Movement
- » Panel Gasket
- » Clamp Band Fixing long scale
- » Coloured Internal Gasket



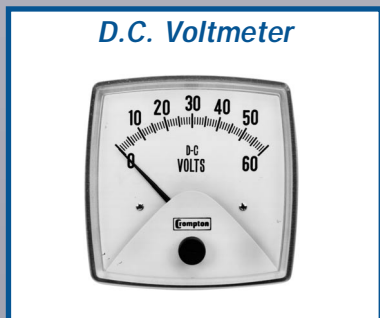
# 016 Series Fiesta Indicators



A.C. Ammeter



A.C. Voltmeter



D.C. Voltmeter

Rating	Scaling*	Short Scale Catalogue No.	Long Scale Catalogue No.
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**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*-
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**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*-
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**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**
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**Voltage Suppressed Zero - No zero set unless specified**

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

0-600V Scale