

Crompton 3½" Fiesta Panel Meters

016 Series

Introduction

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

Features

- Dust and Water Jet Protected to IP55 (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)
- IP55 (NEMA 4)

Options

On request the following are available:

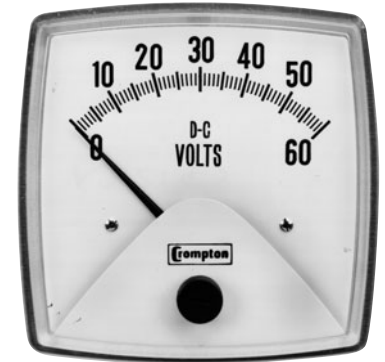
- Supplementary Pointer
- Non-Reflecting Window
- Heavily Damped Movement
- Panel Gasket
- Clamp Band Fixing
- Colored Internal Gasket

AC Ammeter



AC Voltmeter

DC Voltmeter



ELAPSED TIME METER AND FREQUENCY METER

Voltage:	100/125V, 200/250V or 480 VAC
Frequency:	50 Hz or 60 Hz
Burden:	4 VA Maximum

IRON VANE A.C. AMMETER & VOLTMETER

Accuracy:	Shortscale: 2.5%; Longscale: 1.5%
Ratings	
Ammeters:	Shortscale: 1 to 80A Longscale: 1 to 20A
Voltmeters:	10V to 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:	Shortscale: 0.5 VA Long scale: 1.5 VA
Voltmeters:	4.5 VA Maximum

MOVING COIL D.C. AMMETER & VOLTMETER

Accuracy Class:	Shortscale: 1.5 Longscale: 1.5
Rating	
Ammeters:	200 mA to 30A (100 mA Shortscale)
Voltmeters:	50 mV to 600V
Overload	
Ammeters:	x1.2 for 2 hours x10 for 5 seconds
Voltmeters:	x1.2 for 2 hours x2 for 5 seconds
Impedance:	Voltmeters: 1000 ohms per volt nominal

TEMPERATURE RANGE (ALL TYPES)

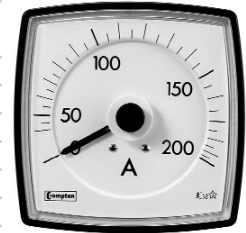
Operating:	-20°C to 65°C (-4°F to 149°F)
Storage:	-30°C to 70°C (-22°F to 158°F)
Shortscale:	90° scale arc
Longscale:	270° scale arc

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A.C. Ammeters - True RMS Reading

Rating	Scaling	Shortscale Catalog No.	Longscale Catalog No.
Self Contained 40/70Hz			
5A	0-5A	• 016-02AA-LSL5	016-03AA-LSL5
10A	0-10A	016-02AA-MTMT	016-03AA-MTMT
15A	0-15A	016-02AA-NDND	016-03AA-NDND
20A	0-20A	016-02AA-NGNG	016-03AA-NGNG
30A	0-30A	016-02AA-NLNL	016-03AA-NLNL
5A	Transformer Rated	• 016-02AA-LS**	016-03AA-LS**



**Longscale
AC Ammeter** ▲

A.C. Voltmeters - True RMS Reading

150V	0-150V	• 016-02VA-PZPZ	016-03VA-PZPZ
300V	0-300V	• 016-02VA-RXR5	016-03VA-RXR5
600V	0-600V	• 016-02VA-SJSJ	016-03VA-SJSJ
150V	Transformer Rated	• 016-02VA-PZ**	016-03VA-PZ**

D.C. Ammeters

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

Milliammeters - Suppressed Zero no zero set unless specified

4/20 mA	To Suit Requirements	• 016-01RA-HG**	016-05RA-HG**
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D.C. Voltmeters (Sensitivity 1000Ω/Volt)

0-15V	0-15V	016-01VA-NDND	016-05VA-NDND
0-30V	0-30V	016-01VA-NLNL	016-05VA-NLNL
0-50V	0-50V	• 016-01VA-NTNT	016-05VA-NTNT
0-150V	0-150V	• 016-01VA-PZPZ	016-05VA-PZPZ
0-300V	0-300V	• 016-01VA-RXR5	016-05VA-RXR5
0-600V	0-600V	016-01VA-SJSJ	016-05VA-SJSJ

Frequency Meters, 120V* (Self Contained)

Center Freq Hz	Accuracy	Standard Case Scale	Catalog No.
50 Hz	-0.15	45-55 Hz	• 016-41SA-PNAG-AG
50 Hz	-0.25	45-65 Hz	• 016-41SA-PNAJ-AJ
60 Hz	-0.15	55-65 Hz	• 016-41SA-PNAN-AN
60 Hz	-0.25	56-64 Hz	• 016-41SA-PNAO-AO
400 Hz	-1.25	360-440 Hz	016-41SA-PNBI-BI



**Frequency
Meter** ▲

* Alternate voltage rating 200-250V use code RN instead of PN

* Alternate voltage rating 380-480V use code SE instead of PN

Elapsed Time Meters 99999.99 hours, non reset

Voltage Range	Frequency Hz	Standard Case Scale	Catalog No.
110/130V	50 Hz	—	• 016-155A-PNZH-C5
200/250V	50 Hz	—	• 016-155A-RNZH-C5
480V	50 Hz	—	016-155A-SEZH-C5
110/130V	60 Hz	—	• 016-156A-PNZH-C6
200/250V	60 Hz	—	• 016-156A-RNZH-C6
480V	60 Hz	—	016-156A-SEZH-C6



**Elapsed
Time Meter** ▲

• UL Recognized
** Specify Scale