SAXON SERIES PANEL INDICATORS

A versatile range of 2.5" or 3.5" surface mount panel meters utilizing pivot and jewel mechanisms and offering IP54 protection. The range includes iron vane and moving coil AC and DC ammeters and voltmeters and frequency meters designed to perform in demanding environments.

Features

- Two compact case sizes
- Withstands high levels of shock, vibration, dirt and humidity
- Pivot and jewel mechanisms

Benefits

- Complies with ANSI C39.1 (IEC 51)
- IP54 (NEMA 3) protection
- Instruments comply with BS EN61010-1 and meet IEC414 (BS5458)
- Pass dielectric test (2600V for 1min)

Applications

- Switchgear
- Distribution systems
- Generator sets
- Control panels
- Energy management
- Building management
- Utility power monitoring
- Process control
- Motor control

Compliant with

CSA File No. 242615
cRUus File No. E203000

Connections

See page 30

Specifications - Frequency Meters

Accuracy:	0.15 = 60Hz, 1.25 = 400Hz, 0.15 = 50Hz, 0.25 = 55Hz
Voltage:	110/130V, 200/250V
Frequency:	50Hz or 60Hz
Burden:	4VA Maximum

Specifications - Moving Iron AC Ammeter and Voltmeter

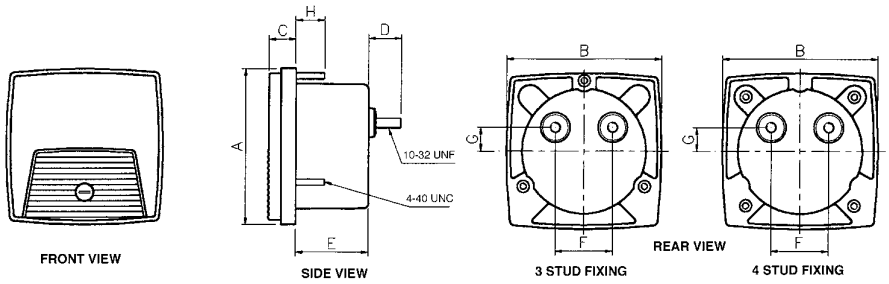
Accuracy:	±2%
Rating:	Ammeters: 1 - 30A Voltmeters: 10V - 600V
Overload:	Ammeters: x1.2 for 2 hours, x10 for 5 seconds Voltmeters: x1.2 for 2 hours, x2 for 5 seconds
Burden:	Ammeters: 0.5VA Voltmeters: 4.5VA maximum

Specifications - Moving Coll DC Ammeter and Voltmeter

Accuracy:	±2%
Rating:	Ammeters: 1 - 30A Voltmeters: 10V - 600V
Operating temperature:	-20°C to +60°C (-4°F to +140°F)
Storage temperature:	-30°C to +70°C (-22°F to +158°F)

Dimensions

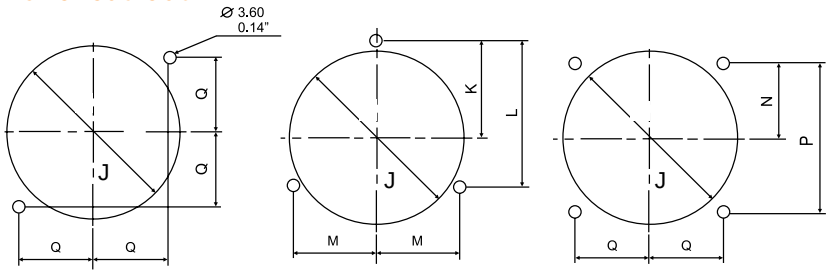
Specify number of fixing studs when ordering 2½" and 3½" meters.



	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q
2½ mm	68.6	68.6	11.8	14.6	32.0	25.4	10.4	12.7	55.9	31.0	46.5	26.9	23.9	47.8	23.9
2½ inch	2.70	2.70	0.46	0.57	1.26	1.00	0.41	0.50	2.20	1.22	1.83	1.06	0.94	1.88	0.94
3½ mm	88.9	88.9	11.8	14.6	36.0	25.4	10.4	12.7	69.9	40.2	60.3	34.8	28.5	57.0	28.5
3½ inch	3.5	3.5	0.46	0.57	1.42	1.00	0.41	0.50	2.75	1.58	2.37	1.37	1.12	2.24	1.12

Code J= Diameter Cut-Out

Panel cut-out



Product Codes - AC Ammeter True RMS Reading (Accuracy ±2% ES)

Rating	Scaling	Cat. no.
5A	0-5A	(01*)-75AA-LSLS-C6-B*
10A	0-10A	(01*)-75AA-MTMT-C6-B*
15A	0-15A	(01*)-75AA-NDND-C6-B*
20A	0-20A	(01*)-75AA-NGNG-C6-B*
30A	0-30A	(01*)-75AA-NLNL-C6-B*
1A	Transformer rated	(01*)-75AA-LA**-C6-B*
5A	Transformer rated	(01*)-75AA-LS**-C6-B*

Product Codes - AC Voltmeter True RMS Reading (Accuracy ±2% ES)

150V	0-150V	(01*)-75VA-PZPZ-C6-B*
300V	0-300V	(01*)-75VA-RXRX-C6-B*
600V	0-600V	(01*)-75VA-SJSJ-C6-B*
150V	Transformer rated	(01*)-75VA-PZ**-C6-B*

Product Codes - DC Ammeter (Accuracy ±2% ES)

0-1mA	To suit requirements	(01*)-01AA-FA**-B*
0-5mA	0-5mA	(01*)-01AA-FXFX-B*
0-10mA	0-10mA	(01*)-01AA-GZGZ-B*
0-20mA	0-20mA	(01*)-01AA-HFHF-B*
0-50mA	0-50mA	(01*)-01AA-HYHY-B*
0-100mA	0-100mA	(01*)-01AA-JRJR-B*
0-200mA	0-200mA	(01*)-01AA-KAKA-B*
0-500mA	0-500mA	(01*)-01AA-KMKM-B*
0-1A0-1A	(01*)-01AA-LALA-B*	
0-2A0-2A	(01*)-01AA-LELE-B*	
0-5A0-5A	(01*)-01AA-LSLS-B*	
0-10A	0-10A	(01*)-01AA-MTMT-B*
0-50mV	To suit	(01*)-01AA-EC**-B*

Product Codes – Milliammeters Suppressed Zero (Accuracy ±2% ES)

4-20mA	To suit requirements	(01*)-01RA-HG**-B*
		**Specify scale value

Product Codes – DC Voltmeters Sensitivity 1000ΩVolt (Accuracy ±2% ES)

0-15V	0-15V	(01*)-01VA-NDND-B*
0-30V	0-30V	(01*)-01VA-NLNL-B*
0-50V	0-50V	(01*)-01VA-NTNT-B*
0-150V	0-150V	(01*)-01VA-PZPZ-B*
0-300V	0-300V	(01*)-01VA-RXRX-B*
0-600V	0-600V	(01*)-01VA-SJSJ-B*

Product Codes – Frequency Meters 120V, Self Contained

50Hz	45-55Hz	(01*)-41SA-PNAG-AG-B*
55Hz	45-65Hz	(01*)-41SA-PNAJ-AJ-B*
60Hz	55-65Hz	(01*)-41SA-PNAN-AN-B*

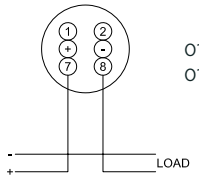
Product Codes – Elapsed Time Meters 99999.99 hours, non-resettable

110/130V, 50Hz	–	(01*)-155A-PNZH-C5-B*
200/250V, 50Hz	–	(01*)-155A-RNZH-C5-B*
480V, 50Hz	–	(01*)-155A-SEZH-C5-B*
110/130V, 60Hz	–	(01*)-156A-PNZH-C6-B*
200/250V, 60Hz	–	(01*)-156A-RNZH-C6-B*
480V, 60Hz	–	(01*)-156A-SEZH-C6-B*

To denote the required case size, replace the 01* in the catalogue number with 012, 013 for 2½", 3½" respectively.
To denote the required stud fixing configuration, replace B* with B2 (2 stud), B3 (3 stud) or B4 (4 stud). B3= 3 Stud is Standard

Connections

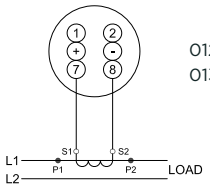
AMMETER DC
Direct connected (max rating 30A)



012-01A
013-01A

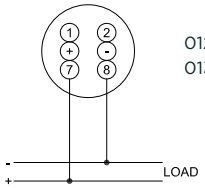
AMMETER AC

012-01B
013-01B



012-75A
013-75A

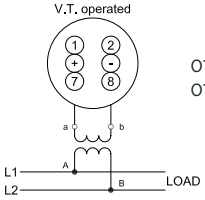
VOLTMETER DC
Direct connected (max rating 800V)



012-01V
013-01V

VOLTMETER AC/
FREQUENCY METER
V.T. operated

012-75V 012-415
013-75V 013-415



012-01W
013-01W