

Energy Division

Compact ANSI Switchboard Meter

Amp, Volt and Frequency

The new Crompton Instruments compact ANSI switchboard meter offers Class 1 accuracy metering performance packed in a low profile, depth saving case. The 007 switchboard meters are a direct drop-in replacement for our legacy switchboard products.

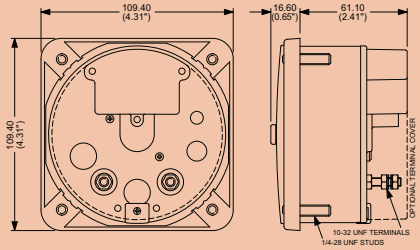
The new compact case also offers a lightweight, heavy duty polycarbonate case which is electrically safe.

The 4½ inch meter complies with ANSI-C39.1 specifications.

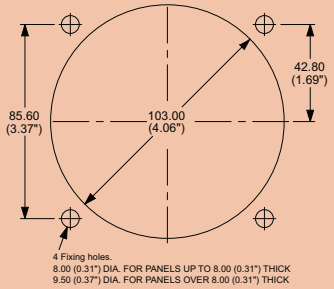
Specifications

Accuracy	Class 1
Specification	ANSI C39.1
Scale length	6.9” ~179mm
Scale	240°
AC rms meters	30% 3rd harmonic influence <1.5%
Temperature range	32-140°F (0-60°C)
Temperature influence	0.033% °F typical (0.06% °C)
Terminal studs	10/32 UNF
Mounting studs	1/4” UNF
Overloads	1.2x continuous, AC current 20x for 1 second
Sealing	to IP 54 front of panel
Response time	approx 2.5 sec to FS
Calibrated for vertical panel mounting	

Dimensions



Panel Cut Out



Tyco Electronics

Our commitment. Your advantage.



Product Coding System

Model	Function
007-05FA	AC rms reading ammeter, linear scale, left zero
007-05GA	AC rms reading voltmeter, linear scale, left zero
007-05VA	DC voltmeter, left zero
007-05AA	DC milliammeter/millivoltmeter, left zero
007-50CA	DC milliammeter/millivoltmeter, centre zero
007-05RA	DC milliammeter, suppressed zero (4/20mA etc)
007-055A	DC transducer indicator, scaled watts
007-056A	DC transducer indicator, scaled var
007-41LA	AC frequency meter

Product Code and Ordering Information Example

007-05GA-PZPZ-C7

Input Range Coding

(Popular codes only – other options available)

Ammeter Codes

Code	Range
LA	0-1A rms
LS	0-5A rms
MT	0-10A rms
EA	0-200uA
FA	0-1mA
HF	0-20mA
EA	100-0-100uA
FG	1-0-1mA
HG	4-20mA

Voltmeter Codes

Code	Range
PZ	0-150V rms
RS	0-250V rms
RX	0-300V rms
SJ	0-600V rms
Z4	0-10V DC
NL	0-30V DC
PZ	0-150V DC
RX	0-300V DC
EY	0-50mV/4mA
GB	50-0-50mV
GM	100-0-100mV
ZC	200-0-200mV

Frequency Meter Codes

Code	Range
PN	110-130V AC
RN	200-250V AC
SE	380-480V AC

Code	Hz Range
AN	55-65Hz
AG	45-55Hz
AJ	45-65Hz
BI	360-440Hz

How to order

To order an equivalent for a 077 type meter, order exactly the same code, except replace 077 with 007.
E.g: 077-05FA-LSPK-C7 is 0-5A electrical scale, 0-100A dial AC ammeter, 50-60Hz.
007-05FA-LSPK-C7 provides identical specification in compact body style

Accessories

The Compact ANSI Switchboard meter also comes with a range of accessories to compliment the product.

- Cable Clamp
- Terminal Cover

Features

Low profile
Class 1 accuracy
Optional panel gasket
Reliability
Long scale 240°

Benefits

Enhanced safety
Reinforced insulation
ANSI C39.1

Applications

Switchgear
Distribution systems
Energy management
Process control
Building management

Approvals

c-UL-us Listed E236986

All of the above information, including drawings, illustrations and graphic designs, reflects our present understanding and is to the best of our knowledge and belief correct and reliable. Users, however, should independently evaluate the suitability of each product for the desired application. Under no circumstances does this constitute an assurance of any particular quality or performance. Such an assurance is only provided in the context of our product specifications or explicit contractual arrangements. Our liability for these products is set forth in our standard terms and conditions of sale. TE logo and Tyco Electronics are trademarks. CROMPTON is a trademark of Crompton Parkinson Ltd. and is used by Tyco Electronics under licence.

Energy Division – economical solutions for the electrical power industry: cable accessories, connectors & fittings, electrical equipment, instruments, lighting controls, insulators & insulation enhancement and surge arresters.

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