

DC Current and Voltage Switchboard Meters Yokogawa DB40 Replacements

MCS Series

- No Shadows on Scale
- Accurate to Within $\pm 1\%$ FS
- Metal Case
- Zero Left, Zero Center & Ground Type Voltmeters
- Zero Left, Suppressed Zero & Shunt Rated Ammeters
- UL Recognition (optional)



MCS ▶

SPECIFICATIONS

In accordance with ANSI Specifications C39.1	
Input	$\pm 1\%$ of FS basic accuracy class
Operating Temperature Range	0-40°C (32°F-104°F)
Dielectric Level	2,300 VAC for 1 minute between circuit and case
Overload Rating	Voltmeter or potential coils - 1.2x continuous; Current coils -1.2x continuous, 10x for 0.5 second
Sensitivity	Zero Left Voltmeters: 1000 Ω /V Zero Center Voltmeters: 2000 Ω /V
Response Time	3 seconds maximum
Position of Use	Vertical (Scale)
Full Scale Deflection Angle	250°
Case	Drawn steel with black powder coat
Mounting/Terminal Studs	1/4"x28 thread / 10-32 thread
Size (H x W x Depth)	4.33" x 4.33" x 3.25"
Barrel (cutout)	4.03"
Full Scale Length	6.9"

DC VOLTMETERS

Scale and Rating (V)	Cat. No.
0-15	103 011 NDND
0-30	103 011 NLNL
0-50	103 011 NTNT
0-75	103 011 PBPB
0-150	103 011 PZPZ
0-300	103 011 RXRX
0-400	103 011 SCSC
0-500	103 011 SFSF
0-600	103 011 FJFJ
150-0-150	103 012 PZPZ
300-0-300	103 012 RXRX
500-0-500	103 012 SFSF
600-0-600	103 012 SJSJ

OPTIONS

Custom Scaling
Non-standard Ranges
White Zero Corrector (Black Standard)
Color Bands
UL Recognition

** Specify scale values

DC AMMETERS

Scale and Rating	Cat. No.
0-200 μ A	103 111 LALA
0-300 μ A	103 111 EGEG
0-500 μ A	103 111 EMEM
0-1 mA	103 111 FAFA
0-2 mA	103 111 FGFG
0-5 mA	103 111 FXFX
0-10 mA	103 111 GZGZ
0-30 mA	103 111 HMHM
0-50 mA	103 111 HYHY
0-100 mA	103 111 JRJR
0-200 mA	103 111 KAKA
0-300 mA	103 111 KGKG
0-500 mA	103 111 KMKM
10-50 mA	103 191 HX**
4-20 mA	103 191 HE**
1-5 mA	103 191 FY**
0-1 A	103 111 LALA
0-5 A	103 111 LSLS
0-10 A	103 111 MTMT
0-15 A	103 111 NDND
0-20 A	103 111 NGNG
0-30 A	103 111 NLNL

DC AMMETERS - SHUNT RATED (50mVDC)

Scale (Amps)	Cat. No.
0-15	103 121 CAND
0-20	103 121 CANG
0-30	103 121 CANL
0-40	103 121 CANP
0-50	103 121 CANT
0-75	103 121 CAPB
0-100	103 121 CAPK
0-150	103 121 CAPZ
0-200	103 121 CARL
0-300	103 121 CARX
0-400	103 121 CASC
0-500	103 121 CASF
0-750	103 121 CASM
0-1000	103 121 CASS
0-1200	103 121 CASV
0-1500	103 121 CATC
0-2000	103 121 CATM
0-3000	103 121 CAUA