

Yokogawa DC Current and Voltage Switchboard Meters

DB Series

- No Shadows on Scale
- Accurate and Readable
- Accurate to Within $\pm 1\%$ FS
- High-Shock Design Meets MIL-M-16034A and MIL-S-901 (DB-14)
- Weathertight Construction Ideal for Adverse Conditions (DB-40)
- Easy to Read Up to 30 Feet Away
- Taut-Band Suspension


DB-40 ▲

SPECIFICATIONS

In accordance with ANSI Specifications C39.1

Input	$\pm 1\%$ of FS basic accuracy class		
Rectifier Instruments	$\pm 1\%$ @ 25°C calibrated on sine wave		
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; AC ammeters—2x continuous, 10x for 1 second; Current coils other than AC ammeters 1.5x continuous, 10x for 1 second		
Response Time	Approx. 2.5 seconds (except AB-16)		
Position of Use	Vertical (Scale)		
Full Scale Deflection Angle	250°		
Case Size	4½"	4½"	8"
Model	DB-14	DB-40	DB-16
Size (H x W x D)	4.33" x 4.33" x 4.85"		8.69" x 8.69" x 4.85"
Barrel (cutout)	4.03"		4.03"
Full Scale Length	6.9"		13.8"

DC PROCESS INPUTS

Scale and Rating	DB-14 Cat. No.	DB-40 Cat. No.	DB-16 Cat. No.
10-50	101 193 HX**	103 191 HX**	121 191 HX**
4-20	101 193 HE**	103 191 HE**	121 191 HE**
1-5	101 193 FY**	103 191 FY**	121 191 FY**
DC Ammeters			
0-1	101 113 LALA	103 111 LALA	121 111 LALA
0-5	101 113 LSLS	103 111 LSLS	121 111 LSLS
0-10	101 113 MTMT	103 111 MTMT	121 111 MTMT
0-15	101 113 NDND	103 111 NDND	121 111 NDND
0-20	101 113 NGNG	103 111 NGNG	121 111 NGNG
0-30	101 113 NLNL	103 111 NLNL	121 111 NLNL

*Specify scale values

DC VOLTS

Scale and Rating	DB-14 Cat. No.	DB-40 Cat. No.	DB-16 Cat. No.
0-15	101 013 NDND	103 011 NDND	121 011 NDND
0-30	101 013 NLNL	103 011 NLNL	121 011 NLNL
0-50	101 013 NTNT	103 011 NTNT	121 011 NTNT
0-75	101 013 PBPB	103 011 PBPB	121 011 PBPB
0-150	101 013 PZPZ	103 011 PZPZ	121 011 PZPZ
0-300	101 013 RXRX	103 011 RXRX	121 011 RXRX
0-400	101 013 SCSC	103 011 SCSC	121 011 SCSC
0-500	101 013 SFSF	103 011 SFSF	121 011 SFSF
0-600	101 013 SJSJ	103 011 FJFJ	121 011 SJSJ
150-0-150	101 014 PZPZ	103 012 PZPZ	121 012 PZPZ
300-0-300	101 014 RXRX	103 012 RXRX	121 012 RXRX
500-0-500	101 014 SFSF	103 012 SFSF	121 012 SFSF
600-0-600	101 014 SJSJ	103 012 SJSJ	121 012 SJSJ

DC AMMETERS - SHUNT RATED (50MVDC)

Scale (Amps)	DB-14 Cat. No.	DB-40 Cat. No.	DB-16 Cat. No.
0-15	101 123 CAND	103 121 CAND	121 121 ECND
0-20	101 123 CANG	103 121 CANG	121 121 ECNG
0-30	101 123 CANL	103 121 CANL	121 121 ECNL
0-40	101 123 CANP	103 121 CANP	121 121 ECNP
0-50	101 123 CANT	103 121 CANT	121 121 ECNT
0-75	101 123 CAPB	103 121 CAPB	121 121 ECPB
0-100	101 123 CAPK	103 121 CAPK	121 121 ECPK
0-150	101 123 CAPZ	103 121 CAPZ	121 121 ECPZ
0-200	101 123 CARL	103 121 CARL	121 121 ECRL
0-300	101 123 CARX	103 121 CARX	121 121 ECRX
0-400	101 123 CASC	103 121 CASC	121 121 ECSC
0-500	101 123 CASF	103 121 CASF	121 121 ECSF
0-750	101 123 CASM	103 121 CASM	121 121 ECSM
0-1000	101 123 CASS	103 121 CASS	121 121 ECSS
0-1200	101 123 CASV	103 121 CASV	121 121 ECSV
0-1500	101 123 CATC	103 121 CATC	121 121 ECTC
0-2000	101 123 CATM	103 121 CATM	121 121 ECTM
0-3000	101 123 CAUA	103 121 CAUA	121 121 ECUA

OPTIONS

Custom Scaling
Nonstandard Ranges
Adjustable Potentiometer (Voltmeters Only)
Color Bands
Illumination