

Type 185 Edgewise Panel Meters



Type 185
3 Stack Mounted



Type 185
2 Stack Mounted



Horizontal Type 185



Type 185
Vertical
Meter with Bezel

Features: Completely shielded case. No special calibration required for panel material — Dust-tight cases — Stack mounting of meters is possible with all sides of meter case flush — Optional bezel and mounting bracket for 1- or 3-unit stack — Zero regulator provided in rear of case.

NOTE: Mounting hardware is not included.

Accuracy: DC Meters $\pm 2\%$ of full scale. AC rectifier type $\pm 3\%$ (60 Hertz sine wave at 25°C).

Overload: Voltmeter — 50% momentary, 20% sustained. Ammeter — 900% momentary, 20% sustained.

Scale Data: 53 degrees rotation. Length — 1.785".

Insulation Level: 1800 VRMS Hi-pot.

Response Time:
3 seconds (max.) for microammeters;
2 seconds (max.) for all other DC ratings; and
2.5 seconds (max.) for AC ratings.

Overshoot: Maximum of 40%.

Dimensions: See page 37.


Bezel and Mounting Assembly	Type of Mounting	Cat. No.
	Assembly includes — Bezel mounting bracket(s), bolts, nuts, washers, speed nuts	For mounting one meter only
	For stack mounting three meters	4149K16G0780

Links to Yokogawa Webpage: [Biglook](#), [Horizon](#), [Stylist](#), [Edgewise](#), [Thin Edgewise](#)

DC Ratings

Rating and Scale	Terminal Resistance Ohms $\pm 15\%$	Horizontal Scale	Vertical Scale
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DC VOLTMETERS — ZERO-LEFT, ZERO-BOTTOM, SELF-CONTAINED, LINEAR-SCALE 1000 OHMS/VOLT

10 V	 1000 Ohms/volt	185 011 MTMT	185 013 MTMT
15 V		185 011 NDND	185 013 NDND
30 V		185 011 NLNL	185 013 NLNL
50 V		185 011 NTNT	185 013 NTNT
100 V		185 011 PKPK	185 013 PKPK
150 V		185 011 PZPZ	185 013 PZPZ
300 V		185 011 RXRX	185 013 RXRX

DC VOLTMETERS — ZERO-CENTER, SELF-CONTAINED, 2000 OHMS/VOLT

15-0-15 V	2000 Ohms/Volt	185 012 NDND	185 014 NDND
50-0-50 V	2000 Ohms/Volt	185 012 NTNT	185 014 NTNT
150-0-150 V	2000 Ohms/Volt	185 012 PZPZ	185 014 PZPZ

DC VOLTMETERS — ZERO-LEFT, ZERO-BOTTOM, RATED 0-1 mA, FOR USE WITH EXTERNAL RESISTORS, RESISTORS NOT INCLUDED (SEE PAGE 29 FOR RESISTORS)

500 V	34.4 Ohms	185 171 FASF	185 173 FASF
600 V	34.4 Ohms	185 171 FASJ	185 173 FASJ
750 V	34.4 Ohms	185 171 FASM	185 173 FASM

DC MICROAMMETERS — ZERO-LEFT, ZERO-BOTTOM, SELF-CONTAINED, LINEAR-SCALE

50 μ A	2200 Ohms	185 111 CYCY	185 113 CYCY
100 μ A	1100 Ohms	185 111 DRDR	185 113 DRDR
500 μ A	148 Ohms	185 111 EMEM	185 113 EMEM

DC MICROAMMETERS — ZERO-CENTER, SELF-CONTAINED

50-0-50 μ A	1100 Ohms	185 112 CYCY	185 114 CYCY
500-0-500 μ A	34.4 Ohms	185 112 EMEM	185 114 EMEM

DC MILLIAMMETERS — ZERO-LEFT, ZERO-BOTTOM, SELF-CONTAINED, LINEAR-SCALE

1 mA	34.4 Ohms	185 111 FAFA	185 113 FAFA
5 mA	10.2 Ohms	185 111 FAFX	185 113 FAFX
10 mA	5.0 Ohms	185 111 GZGZ	185 113 GZGZ
20 mA	2.6 Ohms	185 111 HFHF	185 113 HFHF
50 mA	1.0 Ohms	185 111 HYHY	185 113 HYHY
100 mA	0.5 Ohms	185 111 JRJR	185 113 JRJR
300 mA	0.167 Ohms	185 111 KGKG	185 113 KGKG
500 mA	0.100 Ohms	185 111 KMKM	185 113 KMKM

DC MILLIAMMETERS — ZERO-CENTER, SELF-CONTAINED

1-0-1 mA	50.6 Ohms	185 112 FAFA	185 114 FAFA
5-0-5 mA	5.0 Ohms	185 112 FAFX	185 114 FAFX
10-0-10 mA	2.6 Ohms	185 112 GZGZ	185 114 GZGZ
50-0-50 mA	0.5 Ohms	185 112 HYHY	185 114 HYHY
500-0-500 mA	0.05 Ohms	185 112 KMKM	185 114 KMKM

DC AMMETERS — ZERO-LEFT, ZERO-BOTTOM, SELF-CONTAINED, LINEAR-SCALE

1 Amp	.050 Ohms	185 111 LALA	185 113 LALA
5 Amp	.010 Ohms	185 111 LSLS	185 113 LSLS
10 Amp	.005 Ohms	185 111 MTMT	185 113 MTMT

DC AMMETERS — ZERO-CENTER, SELF-CONTAINED

5-0-5 Amp	.005 Ohms	185 112 LSLS	185 114 LSLS
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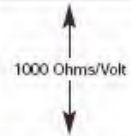
DC AMMETERS — ZERO-LEFT, ZERO-BOTTOM, LINEAR-SCALE 50 mV SHUNT RATED, SHUNTS & LEADS NOT INCLUDED. (LEAD RES. RANGE: .05-.07 Ω)

20 Amp	12.7 Ohms	185 121 ECNG	185 123 ECNG
50 Amp	12.7 Ohms	185 121 ECNT	185 123 ECNT
300 Amp	12.7 Ohms	185 121 ECRX	185 123 ECRX
500 Amp	12.7 Ohms	185 121 ECSF	185 123 ECSF

AC Ratings

Rating and Scale	Terminal Resistance Ohms $\pm 15\%$	Horizontal Scale	Vertical Scale
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AC VOLTMETERS — RECTIFIER TYPE, ACCURACY ± 3 PERCENT, SELF-CONTAINED, LINEAR-SCALE 1000 OHMS/VOLT

10 V	 1000 Ohms/Volt	185 051 MTMT	185 053 MTMT
15 V		185 051 NDND	185 053 NDND
30 V		185 051 NLNL	185 053 NLNL
50 V		185 051 NTNT	185 053 NTNT
100 V		185 051 PKPK	185 053 PKPK
150 V		185 051 PZPZ	185 053 PZPZ

AC MICROAMMETERS — RECTIFIER TYPE, ACCURACY ± 3 PERCENT, SELF-CONTAINED, LINEAR-SCALE

500 μ A	1000 Ohms	185 151 EMEM	185 153 EMEM
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AC MILLIAMMETERS — RECTIFIER TYPE, ACCURACY ± 3 PERCENT, SELF-CONTAINED, LINEAR-SCALE

3 mA	570 Ohms	185 151 FAFA	185 153 FAFA
5 mA	147 Ohms	185 151 FAFX	185 153 FAFX
10 mA	86 Ohms	185 151 GZGZ	185 153 GZGZ
20 mA	57 Ohms	185 151 HFHF	185 153 HFHF