

Yokogawa Process Calibrators

NEW

VOLTAGE/CURRENT

- Source to 24mA, ±33V
- Measure to ±60mA, ±55V
- Step, ramp & sweep
- 24V loop power supply
- Simulate (sink) function



CA310

THERMOCOUPLE

- Measure & source (simulate) 16 T/C types
- 0.5°C basic accuracy, including internal reference junction
- Step, ramp & sweep
- Dual display (° & mV or %)



CA320

RTD

- Source/Measure 16 RTD types
- 0.3°C basic accuracy
- 2/3/4-wire
- Step, ramp & sweep
- Dual display (° & Ω or %)



CA330

SPECIFICATIONS

Source:	0 to 24.000mA, <1kΩ load 0 to 550.00mV/5.5000V/±33.000V
Measure:	0 to ±24.000mA/±60.000mA; 0 to ±550.00mV/±5.5000V/ ±33.000V/±55.000V
Simulate:	0 to 24.000mA, 5-28V external supply
Input R:	mA source: <10Ω V measure: >1MΩ
Loop Supply:	24V ±1V (@24mA, comm R OFF) 24V ±6V (@20mA, comm R ON)
Accuracy:	0.015% +3 digit (+5 digits on volts)
Dimensions:	7.5" x 3.6" x 1.65" (192 x 90 x 42mm)

Includes test leads, batteries & carrying case. AC adapter sold separately (P/N 94013).

SPECIFICATIONS

Type K	-200.0 to 1372.0°C
Type E	-250.0 to 1000.0°C
Type J	-210.0 to 1200.0°C
Type T	-250.0 to 400.0°C
Type N	-200.0 to 1300.0°C
Type L	-200 to 900.0°C
Type U	-200.0 to 600.0°C
Type R, S	-20.0 to 1767.0°C
Type B	600.0 to 1820.0°C
Type C	0.0 to 2315.0°C
Type XK	-200.0 to 800.0°C
Type A	0.0 to 2500.0°C
Voltage:	-11.000 to ±99.999mV
Accuracy:	Type K, E, T, L, U: 0.5°C for 0<t<500° mV: 0.015% +10μV (max 10mA out)
Dimensions:	7.5" x 3.6" x 1.65" (192 x 90 x 42mm)

Includes test leads, batteries & carrying case. AC adapter sold separately (P/N 94013).

SPECIFICATIONS

Pt100 (3851)	-200.0 to 800.0°C
Pt100 (3850)	-200.0 to 630.0°C
Pt100 (3916)	-200.0 to 510.0°C
Pt100 (3926)	-200.0 to 630.0°C
Pt200 (3851)	-200.0 to 630.0°C
Pt500 (3851)	-200.0 to 630.0°C
Pt1000 (3851)	-200.0 to 630.0°C
Cu10 (427)	-100.0 to 260.0°C
Ni120 (627)	-80.0 to 260.0°C
Pt50 (3851)	-200.0 to 630.0°C
Pt50G	-200.0 to 800.0°C
Pt100G	-200.0 to 630.0°C
Cu50M	-180.0 to 200.0°C
Cu100M	-180.0 to 200.0°C
500Ω	0.00 to 550.00Ω
3000Ω	0.0 to 3300.0Ω
Accuracy:	Pt100, Pt200: 0.033% +0.3°C Ω: 0.025% +0.5Ω
Dimensions:	7.5" x 3.6" x 1.65" (192 x 90 x 42mm)

Includes test leads, binding posts, batteries & carrying case. AC adapter sold separately (P/N 94013).

ORDERING INFORMATION

YE/CA310	Volts & mA Calibrator
YE/CA320	Thermocouple Calibrator
YE/CA330	RTD Calibrator

Extech Process Calibrators

VOLTAGE/CURRENT

- Source to 24mA, 20V
- Measure to 50mA, 20V
- 5 user adjustable presets
- Banana connections
- Battery or AC power



PRC15

THERMOCOUPLE

- Measure & source (simulate) 8 T/C types
- Display °C, °F or mV
- 5 user adjustable presets
- Miniature thermocouple connector
- Battery or AC power



PRC20

MULTIFUNCTION

- Source/Measure Voltage, Current, mV & Thermocouples
- Combines functions of the PRC15 & PRC20
- 24V loop power source



PRC30

SPECIFICATIONS

Source:	0 to 24mA (-25% to 125%), <1kΩ load 0 to 20V										
Measure:	0 to 50mA (-25 to 230%); 0 to 19.99V										
Input/Output:	<table border="1"> <thead> <tr> <th>Range</th> <th>Resolution</th> </tr> </thead> <tbody> <tr> <td>0 to 19.99mA</td> <td>0.01mA</td> </tr> <tr> <td>0 to 24.0mA</td> <td>0.1mA</td> </tr> <tr> <td>0 to 1999mV</td> <td>1mV</td> </tr> <tr> <td>0 to 20.00V</td> <td>10mV</td> </tr> </tbody> </table>	Range	Resolution	0 to 19.99mA	0.01mA	0 to 24.0mA	0.1mA	0 to 1999mV	1mV	0 to 20.00V	10mV
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0 to 19.99mA	0.01mA										
0 to 24.0mA	0.1mA										
0 to 1999mV	1mV										
0 to 20.00V	10mV										
Accuracy:	0.01% +1 digit										
Dimensions:	6.3" x 3.2" x 1.7" (159 x 80 x 44mm)										

Includes test leads, AC power adapter, batteries & hard carrying case

SPECIFICATIONS

Type J	-58 to 1832°F (-50 to 1000°C)
Type K	-58 to 2498°F (-50 to 1370°C)
Type T	-184 to 752°F (-120 to 400°C)
Type E	-58 to 1382°F (-50 to 750°C)
Type C	32 to 3182°F (0 to 1750°C)
Type R/S	32 to 3182°F (0 to 1750°C)
Type N	-58 to 2372°F (-50 to 1300°C)
Voltage:	-10.00mV to +60.00mV
Resolution:	0.1° (up to 999.9) or 1° (over 999.9°) for J, K, T, E: ±1° for R, N; 0.5° for C, S
Accuracy:	0.05% rdg +1° 0.015% ±3 digit or 10μV +1d
Input Z:	10 MΩ
Dimensions:	6.3" x 3.2" x 1.7" (159 x 80 x 44mm)

Includes calibration cables, AC power adapter, batteries

SPECIFICATIONS

DC Source:	<table border="1"> <tr> <td>Current</td> <td>0 to 24mA (-25% to 125%), <1kΩ load</td> </tr> <tr> <td>Voltage</td> <td>0 to 2000mV, 0 to 20V</td> </tr> <tr> <td>mV/Temp</td> <td>-5 to 55mV</td> </tr> </table>	Current	0 to 24mA (-25% to 125%), <1kΩ load	Voltage	0 to 2000mV, 0 to 20V	mV/Temp	-5 to 55mV						
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Accuracy:	V/I/mV: 0.01% + 1 digit T/C: 0.05% + 2°F or 1°C												
Loop Power:	24V												
Dimensions:	6.3" x 3.2" x 1.7" (159 x 80 x 44mm)												

Includes test leads, calibration cables, AC power adapter, batteries & hard carrying case

ORDERING INFORMATION

EX/PRC15	Voltage/Current Calibrator	
EX/PRC20	Thermocouple Calibrator with Cold Junction Compensation	add -NIST to P/N for NIST traceable Certificate of Calibration
EX/PRC30	Multifunction Calibrator with Cold Junction Compensation	