

Extech Calibrator/Meters

- Large LCD Display & Touch Keypad
- Compact Size (3.8" x 4.5" x 2")
- Flip-Open Cover for Protection
- Battery or AC Operation

433201


Supplied with battery, test leads or calibration cable, AC adapter, and carrying case. NIST Calibration Certificate optional.

412400 Multifunction Calibrator/Meter

- Source 0 to 24mA with 0.01mA resolution
- Measure 0 to 50mA (0.1mA resolution)
- Select Type J, K, or T thermocouple for calibrations in °F/°C or mV
- Output 0 to 1999mV or 0 to 10.00V
- Measure 0 to 19.99V
- Single/continuous step function for Voltage and Current
- 24V loop power supply drives current loads up to 1000Ω
- Memory for 5 user settable output values
- Accuracy 0.075% ± 1 digit for V & mA (0.15% + 1°C for T/C)

433201 Thermocouple Calibrator/Meter

- Source & Measure Type J, K, T, E, C, R, S, N
- Source & Measure -5.00mV to 55.00mV
- 0.1°/1° Resolution for J, K, T, E (1° for C, R, S, N)
- Output Displayed as mV or °C/°F
- Five Stored Calibration Values
- 0.15% + 1° Accuracy

412355A Voltage & Current Calibrator/Meter

- Source 0–24mA (<1000Ω) or 0-20V
- Measure 0–50mA or 0–19.99V
- Displays mA or % (-25.0 to 125.0%)
- 0.1mA Resolution up to 19.99mA
- 0.1mV Resolution to 1999mV
- Accuracy 0.075% ± 1 digit

412300A Current Calibrator/Meter

- Source 0 to 24mA for loads up to 1000Ω
- Measure 0 to 50mA
- Displays mA or % (-25.0 to 125.0%)
- 0.1mA Resolution up to 19.99mA
- Supplies 24VDC Loop Power
- Accuracy 0.075% ± 1 digit

Yokogawa Calibrators

CA71/SP1 Multifunction Calibrator

- Simultaneous Source & Measure Capability
- 0.025% Accuracy (DCV)
- Separate Source & Measure Switches for Easy Setup
- Autostep, Sweep & Memory Functions



Each CA71/SP1 includes: 120VAC adapter, source & measure cables, terminal adaptor for temperature measurements, input fuse, magnetic instrument case, accessory case for input cables, carrying case, 9 pin RS232 communications cable & data logging software.

SPECIFICATIONS

SOURCE FUNCTIONS	RANGES	BEST RESOLUTION	BEST ACCURACY
DCV	100mV/1V/10V/30V	10mV	0.02%+15μV
DCA	20mA/4-20mA	1μA	0.025%+3μA
mA sink	20mA	1μA	0.05%+3μA
Resistance	400Ω	0.01Ω	0.02%+0.1Ω
RTD	Pt100 (-200 to +850°C)	0.1°C	0.025%+0.3°C
TC	J K T E L U N	0.1°C	0.02%+0.5°C
TC	R S B	1°C	0.02%+1.5°C
Frequency	500/1000/10kHz	0.2Hz	0.2Hz
Pulse	99999 cycles	1	--
MEASURE FUNCTIONS	RANGES	BEST RESOLUTION	BEST ACCURACY
DCV	100mV/1V/10V/100V	10mV	0.025%+20μV
DCA	20mA/4-20mA	1mA	0.025%+4μA
Resistance	400Ω	0.01Ω	0.05%+0.1Ω
ACV	1/10/100/300V	1mV	0.5%+5 digits
RTD	Pt100 (-200 to +850°C)	0.1°C	0.05%+0.6°C
TC	J K T E L U N	0.1°C	0.05%+1.5°C
TC	R S B	1°C	0.05%+2°C
Frequency	100/1000/10kHz	0.01Hz	2 digits
Pulse	99999 counts/min, /hr	1	--

CA150/SP1 Multifunction Calibrator

- Simultaneous Source & Measure Capability
- Large LCD Display
- Step, Linear & Programmed Sweeps
- Loop Power Supply
- DC Voltage and Current Generation
- Settings and Data Memory
- 0.02% Measure Accuracy (DCV)



Each CA150/SP1 includes: 120VAC adapter, source & measure cables, terminal adaptor for temperature measurements, input fuse, NiMH battery, accessory case for input cables & carrying case.

SPECIFICATIONS

SOURCE FUNCTIONS	RANGES	BEST RESOLUTION	BEST ACCURACY
DCV	100mV/1V/10V/30V	1μV	0.02%+10μV
DCA	20mA	1μA	0.02%+3μA
mA sink	20mA	1μA	0.025%+6μA
Resistance	500/5k/50kΩ	0.01Ω	0.02%+1.5Ω
RTD	Pt100 (-200 to +850°C)	0.1°C	0.025%+0.3°C
TC	J K T E L U N	0.1°C	0.02%+0.4°C
TC	R S B	1°C	0.02%+1.2°C
Frequency	100/1000/10k/50kHz	0.01Hz	0.05Hz
Pulse	1100 CPM	0.1 CPM	0.5 CPM
MEASURE FUNCTIONS	RANGES	BEST RESOLUTION	BEST ACCURACY
DCV	500mV/5V/35V	10μV	0.02%+50μV
DCA	20mA/100mA	1μA	0.025%+4μA
Resistance	500/5k/50kΩ	0.01Ω	0.055%+0.075Ω
RTD	Pt100 (-200 to +850°C)	0.1°C	0.05%+0.6°C
TC	J K T E L U N	0.1°C	0.05%+1.5°C
TC	R S B	1°C	0.05%+2°C
Frequency	100/1000/10kHz	0.01Hz	2 digits
Pulse	100000 CPM, CPH	1	--