

Professional Digital Multimeter CA5000 Series

Features

- Tough, reliable, economical, professional DMMs in choice of 2000-, 4000- and 40,000-count models
- Automatic AC/DC selection (Model CA5205)
- Large backlit LCD (model dependent)
- Clear push-button functions
- Large rotary range selector and dedicated push-buttons
- Safety rated to EN 61010, 600V Cat. III for protection against spikes and over-voltage
- Accurate average sensing or TRMS models for your linear loads and distorted signals
- Complete line of accessories including leads and industry's largest selection of current probes
- Includes rugged, shockproof, protective, dirt resistant gray holster with Multistand™ (for lead and probe storage) and test leads
- Three year warranty



CA5000 Series



SPECIFICATIONS

MODELS	CA5205 ⁽²⁾	CA5210 ⁽³⁾	CA5220	CA5230 TRMS	CA5240 TRMS
AC Current					
Range ¹	–	–	3 ranges: 40mA to 10A	3 ranges: 40mA to 10A	3 ranges: 40mA to 10A
Accuracy*	–	–	±1.5% of Reading ± 2cts	±0.8% of Reading ± 4cts	±0.9% of Reading ± 5cts
AC Voltage					
Range ¹	5 ranges: 200mV to 600V	5 ranges: 400mV to 600V	5 ranges: 400mV to 600V	5 ranges: 400mV to 600V	5 ranges: 400mV to 600V
Accuracy*	±1% of Reading ± 5cts	±1.5% of Reading ± 1ct	±1.5% of Reading ± 1ct	±1% of Reading ± 3cts	±1.5% of Reading ± 20cts
DC Current					
Range	–	–	3 ranges: 40mA to 10A	3 ranges: 40mA to 10A	3 ranges: 40mA to 10A
Accuracy*	–	–	±1.5% of Reading ± 2cts	±1.2% of Reading ± 5cts	±0.5% of Reading ± 10cts
DC Voltage					
Range	5 ranges: 200mV to 600V	5 ranges: 400mV to 600V	5 ranges: 400mV to 600V	5 ranges: 400mV to 600V	5 ranges: 400mV to 600V
Accuracy*	±1% of Reading ± 1ct	±1% of Reading ± 1ct	±1% of Reading ± 1ct	±0.25% of Reading ± 1ct	±0.1% of Reading ± 3cts
Resistance⁽¹⁾					
Range	6 ranges: 200Ω to 20MΩ	6 ranges: 400Ω to 40MΩ	6 ranges: 400Ω to 40MΩ	6 ranges: 400Ω to 40MΩ	3 ranges: 40mA to 10A
Accuracy*	±1.5% of Reading ± 5cts	±1.5% of Reading ± 3cts	±1.5% of Reading ± 3cts	±0.5% of Reading ± 3cts	±0.2% of Reading ± 3cts
Continuity	≤700Ω	≤40Ω	≤40Ω	≤40Ω	≤40Ω
Diode Test	1mV	1V	1mV	1mV	1mV
Accuracy*	±2% of Reading ± 15mV	±2% of Reading ± 15mV	±2% of Reading ± 15mV	±1% of Reading ± 2cts	±1% of Reading ± 10cts
Capacitance	–	5 ranges: 4nF to 40μF	5 ranges: 4nF to 40μF	5 ranges: 4nF to 40μF	5 ranges: 4nF to 40μF
Accuracy*	–	±5% of Reading ± 10cts	±5% of Reading ± 10cts	±1.5% of Reading ± 4cts	±1.5% of Reading ± 5cts
Frequency	–	–	5 ranges: 10Hz to 200kHz	5 ranges: 100Hz to 400kHz	6 ranges: 100Hz to 2MHz
Accuracy*	–	–	±0.1% of Reading ± 2cts	±0.1% of Reading ± 20cts	±0.1% of Reading ± 10cts
Digital Display	2000-count	4000-count	4000-count	4000-count	40,000-count
Analog Bargraph	–	40-segment	40-segment	40-segment	40-segment
Safety Rating	EN 61010, 600V Cat. III	EN 61010, 600V Cat. III	EN 61010, 600V Cat. III	EN 61010, 600V Cat. III	EN 61010, 600V Cat. III

¹Use on frequency: 0 to 60Hz

²Automatic recognition of DC or AC

³Additional function "ADP": input 0 to 400mVdc for accessories

*Accuracy dependent on range

CATALOG NO.

DESCRIPTION

2116.73	DMM Model CA5205 (2000-count, Average Sensing, 1% Accuracy)
2116.74	DMM Model CA5210 (4000-count, Average Sensing, 1% Accuracy)
2116.75	DMM Model CA5220 (4000-count, Average Sensing, 1% Accuracy)
2116.76	DMM Model CA5230 (4000-count, TRMS, 0.25% Accuracy)
2116.77	DMM Model CA5240 (40,000-count, TRMS, 0.1% Accuracy)