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Instek Bench DMM

Dual Display Digital Multimeter

FEATURES

* 50000 Counts Display
* Multi-Function ACV, DCV, ACA, DCA, R, C, Hz, Continuity Beeper, Diode Test, Max/Min, REL, Auto Hold, dBm, Compare
* Dual Display Indicate ACV and Hz, DCV(ACV) and dBm or DCV and ACV Ripple
* Manual or Auto Ranging
* 0.02% DCV Accuracy
* ACV Measuring Frequency Up to 100kHz
* 20A Current Range With High Energy Fuse Protection
* Auto-Recall the Setting Upon Power ON
* AC True RMS or AC + DC True RMS
* RS-232C Interface
* Option : GPIB Interface

Part No. 01GDM8246

GDM-8246 (50000 Counts)

SPECIFICATIONS

DC VOLTAGE

Range	500mV, 5V, 50V, 500V, 1200V 5 ranges
Accuracy	± (0.02% rdg + 4 digits)
Input Impedance	10MΩ

AC VOLTAGE TRUE RMS (AC OR AC + DC TRUE RMS)

Range	500mV, 5V, 50V, 500V, 1000V 5 ranges
Accuracy	500mV ~ 1000V 5 ranges : 20Hz ~ 45Hz : ± (1% rdg + 10 digits) 45Hz ~ 2kHz : ±(0.3% rdg + 30 digits) 2kHz ~ 10kHz : ±(0.4% rdg + 50 digits) 500mV ~ 500V 4 ranges : 10kHz ~ 20kHz : ±(0.5% rdg + 50 digits) 500mV ~ 50V 3 ranges : 20kHz ~ 50kHz : ±(2% rdg + 20 digits) 50kHz ~ 100kHz :± (5% rdg + 50 digits)
Input Impedance	10MΩ

DC CURRENT

Range	500μA, 5mA, 50mA, 500mA, 2A, 20A 6 ranges
Accuracy	500μA ~500mA 4 ranges :± (0.05% rdg+3 digits) 2A ~ 20A 2 ranges : ± (0.2% rdg + 5 digits)

AC CURRENT TRUE RMS (AC OR AC + DC TRUE RMS)

Range	500μA, 5mA, 50mA, 500mA, 2A, 20A 6 ranges
Accuracy	500μA ~ 500mA 4 ranges 45Hz ~ 2kHz : ±(0.5% rdg + 15 digits) 2kHz ~ 10kHz : ±(1% rdg + 15 digits) 10kHz ~ 20kHz : ±(2% rdg + 15 digits) 2A ~ 20A 2 ranges 45Hz ~ 2kHz : ±(0.5% rdg + 15 digits)

RESISTANCE

Range	500Ω,5kΩ,50kΩ,500kΩ,5MΩ,20MΩ 6 ranges
Accuracy	500Ω : ± (0.1% rdg + 4 digits) 5kΩ ~ 500kΩ 3 ranges : ± (0.1% rdg + 2 digits) 5MΩ : ± (0.2% rdg + 2 digits) 20MΩ : ± (0.3% rdg + 2 digits)

DIODE TEST

The one range can check the forward voltage of diode. Maximum forward voltage 1.5V open voltage 2.8V

CAPACITANCE

Range	5nF, 50nF, 500nF, 5μ F, 50μ F 5 ranges
Accuracy	± (2% rdg + 4 digits)

FREQUENCY

Input Level	mV range : 10Hz ~ 50kHz : >120mV 50k ~ 150kHz : >200mV
(Sine Wave)	5V ~ 50V range : 10Hz ~ 200kHz >1.2V 500V range : 20Hz ~ 1kHz >12V

CONTINUITY BEEPER	
NMRR	< 5Ω
CMRR	> 60dB
OPERATING MODE	> 90dB
OTHER FUNCTIONS	Auto Range/Manual Max, Min, dBm, REL, Hold, Compare, Set RECALL

DISPLAY

Dual Display 0.4", 0.5", 7 segment LED display

INTERFACE

RS-232C (Standard), GPIB (Option)

POWER SOURCE

AC 100V/120V/220V/230V± 10%, 50/60Hz

ACCESSORIES

Instruction manual x 1, Power cord x 1, Test lead GTL-117 x 1

DIMENSIONS & WEIGHT

251(W) x 91(H) x 291(D) mm, Approx. 1.86kg

ORDERING INFORMATION

GDM-8246 50,000 Counts Dual Display, Programmable DMM, with RS-232C Interface

Option

Opt.01 GPIB Interface (Factory Installed)