

# 1kV Insulation + Hi-Performance DMM with 10A Input!

- Insulation with 5 Selectable Test Voltages! Reading Smooth mode! Test-Inhibit & Lock-Test Feature!
- 20kHz ACV Bandwidth! 10A + 60.00mV & 60.00Ω Hi-Res Ranges! AC+Hz Dual Display! VFD V & Hz!
- Convenient Remote Probe! Records Min/Max Readings! Relative Zero! BeepJack™ Input Warning!



**BM880 Series**  
**Insulation Multimeters**

**BRYMEN**<sup>®</sup>  
BRIGHT PEOPLE'S CHOICE



**BM887**



**BM885**

887	885	FUNCTIONS & FEATURES
●	●	3-5/6 Digits 6,000 Counts Large Easy-To-Read LCD Display
●	●	Nominal 5/Sec Fast Measurements; Fully Auto-Ranging
●	●	61 Segment Analog Bar-graph Updates 60/Sec
●	●	Paper-White Back-Lighted LCD Display
●	●	Dual Digital Display AC + Hz Readings
●	●	AC True RMS Conversion
●	●	Intelligent Auto Power Off
●	●	Data Hold
●	●	Relative Zero Mode
●	●	Records Standard Measurement Max/Min Readings
●	●	BeepJack™ Input Warning Against Improper Plug In To $\mu$ Am/A Terminals
●	●	VFD-V & VFD-Hz Measures Fundamental V & Hz Of Most Variable Frequency Drives
●	●	AC/DC Voltage Ranges 60.00mV To 1000V
●	5kHz	ACV Bandwidth Up To 20kHz
●	●	Ohms Ranges 60.00 $\Omega$ To 60.00M $\Omega$
●	●	Fast Audible Continuity Tester
●	●	Diode Tester
●	●	Frequency Ranges 9.999Hz To 100.0kHz
●	●	AC/DC $\mu$ A, mA & A Ranges 600.0 $\mu$ A To 10.00A
●	●	Capacitance Ranges 2.000 $\mu$ F To 20.00mF
●	●	Type-K Temperature -40.0°C To 537.0°C; Selectable °F Readings
●	●	Insulation Resistance; Selectable Test Voltage Of 50V, 100V, 250V, 500V & 1000V
●	●	Shows Insulation Results & Actual Test Voltages In Dual Display
●	●	Insulation TEST Activation Inhibits When Live Circuit Is Detected
●	●	Lock-Test Mode For Continuous Insulation Resistance Measurements
●	●	Smooth Mode To Smooth Out Insulation Result Readings
●	●	Convenient Remote Probe (For Insulation Resistance Test)
●	●	Optional Purchase Magnetic Hanger
●	●	Rugged Fire Retarded Casing With Battery/Fuse Access Door
●	●	Replaceable Protective Holster With Probe-Holders & Tilt-Stand
●	●	HBC 1kV Fuses Protected On $\mu$ Am/A Terminals
●	●	Transient Protection Up To 8kV 1.2/50 $\mu$ s Lightning Surge
●	●	LVD Meets EN61010-1/-2-030/-2-033 to Measurement CAT III 1000V & CAT IV 600V
●	●	LVD Also Meets EN61557-1/-2 (Insulation Resistance)
●	●	EMC EN61326-1:2013

# 1kV Insulation + 20kHz True RMS ACV + 10A Input!

**20kHz Bandwidth! 10A Input! 60.00mV & 60.00Ω Ranges! VFD V & Hz Dual Display!  
5 Insulation Test Voltages! Smooth mode! Test-Inhibit & Lock-Test Feature!  
Remote Probe! Min/Max Readings! Relative Zero! BeepJack™ Warning!**

**Analog Bar-graph**  
Fast Update Rate 60/sec

**6,000 Counts Wide-view LCD Display**  
5/sec Fast Nominal Update Rate

**Dual Digital Display**  
Simultaneously View Relevant Parameters In Complementary Display

**Asic Technology**  
Allows More Functions & Features At Affordable Prices

**Auto & Manual-ranging**  
Auto-ranging With Manual-ranging Override

**Ergonomic Streamline Design**  
Fits Comfortably In One's Hand

**Smooth Mode**  
Smooth Out Unstable Insulation Resistance Readings

**Relative Zero Mode**  
For Convenient Readings Comparison And Offset

**Function Selection**  
Toggle Conveniently Between Primary & Secondary Functions

**LOCK Feature**  
For Two Handed Continuous Testing Without The Need To Press The TEST Button

**Paper-white Display Backlight**  
For Easy Viewing In The Dark

**60.00mV AC/DC Ranges**  
0.01mV High Resolution To Test Small Signal Changes

**Diode Test**  
For Checking Diodes And Rectifiers

**Fast Audible Continuity**  
For Quick Open-short Tests On Switches, Fuses And Wires

**High Impedance Voltages**  
1000VAC/DC Measuring Capabilities; High Input Impedance For Load Sensitive Circuits

**Hz Of Line Level Voltage**  
Measures Noisy High Voltage ACV Frequencies In Dual Display

**VFD V & Hz Feature**  
Measures Fundamental Voltage & Frequency Of Most Variable Frequency Drives In Dual Display

**Beep-jack™ Audible & Visible Warning**  
Guards Against Improper "- INS.  $\mu$ AmA" & "A" Terminals Plug In. Decreases Risks Of Damage

**Accepts Remote Probe**  
Convenient Activation For Insulation Resistance Tests. Full Silicone Leads To Minimize Insulation Test Error

**Intelligent Auto-power-off**  
To Extend Battery Life; Awake Resets On Significant Operation & Measurements

**ACV True RMS 20kHz Bandwidth**  
For Non-sinusoidal Waveforms Of Complex Voltage Or Current Signals

**Protective Holster**  
With Holders For Probe Storage And "third Hand" Feature, Replaceable & Washable

**EMC**  
Meets EN61326-1:2013

**LVD Safety**  
Meets EN61557-1/-2, & EN61010-1/-2-030/-2-033 CAT III 1kV & CAT IV 600V

**Type-k Temperature**  
Measurements -40.0°C To 537.0°C, Selectable °C & °F Readings

**Insulation Resistance Test**  
5 Test Voltages: 50V, 100V, 250V, 500V & 1000V. It Is Useful For Determining The State Of Insulation Material.

**Max Min Record**  
Record Measurement Max & Min Readings

**Data Hold**  
Freezes The Displaying Reading For Later View

**Relative Zero Mode**  
For Convenient Readings Comparison And Offset

**Ergonomic Streamline Design**  
Fits Comfortably In One's Hand

**Asic Technology**  
Allows More Functions & Features At Affordable Prices

**Dual Digital Display**  
Simultaneously View Relevant Parameters In Complementary Display

**6,000 Counts Wide-view LCD Display**  
5/sec Fast Nominal Update Rate

**Analog Bar-graph**  
Fast Update Rate 60/sec



