

# 4-1/2 Digit High Resolution, High Speed And High Bandwidth!

- Direct 20,000 Counts Accuracies! 20kHz ACV Bandwidth!  
AC+Hz Dual Display! nS Measurements!
- VFD V & Hz! BeepLit™ Continuity Tester! Record DC Min/Max Readings Updates 10/sec!  
Captures Crest Extremes! Relative Zero! BeepJack™ Input Warning!



**BM830 Series**  
**Professional Multimeters**

**BRYMEN**®

BRIGHT PEOPLE'S CHOICE  
<http://www.brymen.com>





● **BM839**



● **BM836**

839	836	FUNCTIONS & FEATURES
●	●	3-5/6 Digits & 4-1/2 Digits 20,000 Counts Max 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
●	●	Crest (Peak Hold) Max/Min Readings
●	●	High-Update Record Max/Min Readings, Update Intervals DC's 100ms / AC's 120ms
●	●	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 200.00mV To 1000.0V
●	0.09%	Best Basic DCV accuracy upto 0.045%
●	5kHz	ACV Bandwidth Up To 20kHz
●	●	Ohms Ranges 200.00 $\Omega$ To 20.000M $\Omega$
●	●	nS Range 60.00nS
●	●	BeepLit™ Continuity Tester. Features Audible Beep & Visible Backlight Effects
●	●	Diode Tester
●	●	Frequency Ranges 9.999Hz To 100.0kHz
●	●	AC/DC $\mu$ A, mA & A Ranges 200.00 $\mu$ A To 10.000A
●	●	Capacitance Ranges 20.00nF To 20.00mF
●	●	Type-K Temperature -40.0°C To 1090.0°C; Selectable °F Readings
●	●	Optional Purchase Magnetic Hanger
●	●	Rugged Fire Retarded Casing With Battery And 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
●	●	EMC EN61326-1:2013



# 4-1/2 Digit High Resolution, High Speed And High Bandwidth!

**Direct 20,000 Counts Accuracies! 20kHz ACV Bandwidth! AC+Hz Dual Display! nS Measurements!  
VFD V & Hz! BeepLit™ Continuity Tester! Record DC Min/Max Readings Updates 10/sec!  
Captures Crest Extremes! Relative Zero! BeepJack™ Input Warning!**

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

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

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

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

**mV Ranges**  
600.0mV Or 199.99mV

**Diode Test**  
For Checking Diodes  
And Rectifiers

**BeepLit™ Continuity**  
Quick Open-short Tests.  
Beep and Backlight Effects  
For Noisy Environments

**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  
 $\mu$ mA & A Terminals Plug In.  
Decreases Risks Of Damage

**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

**20,000 Counts Max 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

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

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

**6,000 / 20,000 Counts Mode**  
Convenient Selection  
Of Higher Resolution  
Vs Higher Decade Limit

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

**Crest (Peak Hold)**  
Captures Instantaneous  
+Peak & -Peak Readings

**High-Update Record Max Min**  
Approx. 2 Times Update Rate To Record  
Fast Response Max & Min Readings

**$\mu$ Am/A +Hz Readings**  
Measures Currents &  
Frequencies In Dual Display

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

**Capacitance**  
7 Ranges Autoranging,  
20.00nF To 20.00mF

**Resistance**  
Autoranging 600.0 $\Omega$  To 60.00M $\Omega$   
Or 199.99 $\Omega$  To 19.999M $\Omega$

**Transient Protection**  
Up To 8kV 1.2/50 $\mu$ s Lightning Surge;  
Superb Protection For Serious Users

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





