

Features

- 3.5" TFT LCD (320x240).
- Measurement items: DC voltage and AC resistance.
- Voltage measurement: 1000V (RSBM-3100H) or 300V (RSBM-3300) or 80V (RSBM-3080).
- Resistance measurement: $0\Omega \sim 3.2K\Omega$ max.
- Basic accuracy for voltage measurement: 0.01%.
- Basic accuracy for resistance measurement: 0.5%.
- Measurement resolution up to $0.1\mu V$ and $10\mu V$, suitable for single-cell measurement.
- Independent GO/NOGO determination function for voltage and resistance respectively.
- The judgment mechanism of test lead (probe) disconnect/contact failure is to ensure the measurement reliability.
- Standard interfaces: USB host/device, RS-232C and Handler.

RS PRO Battery Testers

RS Stock No.:

0447363

1804810

1804811 0447365

0447366

0447368



RS PRO is the own brand of RS. The RS PRO Seal of Approval is your assurance of professional quality, a guarantee that every part is rigorously tested, inspected, and audited against demanding standards. Making RS PRO the Smart Choice for our customers.

Specifications

DISPLAY							
Screen	3.5"(320 x240) TFT LCD						
Resistance	5 digits						
Voltage	6 digits						
TEST SPEED							
Slow	4 time/second						
Medium	11 time/second						
Fast	25 time/second						
Ex. Fast	60 time/second						
RESISTANCE MEASUREMENT							
Accuracy	Test Frequency	1kHz (±0.5Hz) Fixed					
	Input Impedance	3mΩ ~ 300mΩ : 99kΩ, 3Ω ~ 3kΩ : 2MΩ					
	Range	Range No.	Range	Max. scale	Resolution	Test Current	Open-circuit Voltage (Vpp max)
		0	3mΩ	3.1000mΩ	0.1μΩ	100mA	8V
		1	30mΩ	31.000mΩ	1μΩ	100mA	8V
		2	300mΩ	310.00mΩ	10μΩ	10mA	7V
		3	3Ω	3.1000Ω	100μΩ	1mA	3V
		4	30Ω	31.000Ω	1mΩ	100μA	2V
		5	300Ω	310.00Ω	10mΩ	10μA	1.5V
		6	3kΩ	3200.0Ω	100mΩ	10μA	1.5V
		Range No	Speed	Accuracy		Temperature Coefficient	
		0	Slow	±0.5%rdg ± 10dgt		(±0.05%rdg ± 1dgt)/□	
			Medium	±0.5%rdg ± 15dgt			
			Fast	±0.5%rdg ± 20dgt			
			Ex. Fast	±0.5%rdg ± 40dgt			
		1~6	Slow	±0.5%rdg ± 5dgt		(±0.05%rdg ± 0.5dgt)/□	
			Medium	±0.5%rdg ± 7dgt			
			Fast	±0.5%rdg ± 7dgt			
			Ex. Fast	±1.0%rdg ± 8dgt			
VOLTAGE MEASUREMENT							
Range	Range No.	Range	Max. scale		Resolution		
	0	10V	±9.99999		10μV		
	1	100V	±99.9999		100μV		
	2*	1000V	±1009.99		1mV (0.000~999.999) 10mV (1000.00 ~ 1009.99)		
Accuracy	* 300V only for RSBM-3300						
	Range No.	Speed	Accuracy		Temperature Coefficient		
	0~2	Slow	±0.01%rdg ± 5dgt		(±0.001%rdg ± 0.5dgt)/□		
		Medium	±0.01%rdg ± 7dgt				
		Fast	±0.05%rdg ± 7dgt				
		Ex. Fast	±0.10%rdg ± 10dgt				

VOLTAGE MEASUREMENT				
Range	Range No.	Range	Max. scale	Resolution
	0	8V	±8.08000	10μV
	1	80V	±80.8000	100μV
	2*	300V	±303.000	1mV
Accuracy	* : 300V only for RSBM-3300			
	Range No.	Speed	Accuracy	Temperature Coefficient
	0~2	Slow	±0.01%rdg ± 5dgt	(±0.001%rdg ± 0.5dgt)/□
		Medium	±0.01%rdg ± 7dgt	
		Fast	±0.05%rdg ± 7dgt	
		Ex. Fast	±0.10%rdg ± 10dgt	
OTHER FUNCTIONS				
Range Selection Comparator Contact detection Buzzer Trigger	Auto range, Hold range, Nom range ABS, PER or SEQ OPEN & WIRE OFF, Pass, Fail INT, EXT			
INTERFACE				
USB Host / USB Device / RS-232C / Handler				
POWER SOURCE				
AC 100-240, 50-60Hz; Consumption: 10W				
DIMENSIONS & WEIGHT				
264(W) x 107(H) x 309(D) mm, Approx. 2.8kg				

Safety Approval

The above product is in conformity with the following standards or other normative documents:

© EMC	
EN 61326-1 :	Electrical equipment for measurement, control and laboratory use — EMC requirements
EN 61326-2-1:	
Conducted and Radiated Emissions EN 55011	Electrical Fast Transients EN 61000-4-4
Current Harmonic EN 61000-3-2	Surge Immunity EN 61000-4-5
Voltage Fluctuation EN 61000-3-3	Conducted Susceptibility EN 61000-4-6
Electrostatic Discharge EN 61000-4-2	Power Frequency Magnetic Field EN 61000-4-8
Radiated Immunity EN 61000-4-3	Voltage Dips/ Interrupts EN 61000-4-11
Low Voltage Equipment Directive	
Safety Requirements	EN 61010-1 EN 61010-2-030

Included Accessories

Power Cords (UK*1/EU*1), RSSBM-01 x 1: 4 Wire (kelvin clip) test lead, 90V (max.), approx.1100mm

Optional Accessories

Series Dimension

