Wayne Kerr Electronics

WK3100

Programmable Low-Ohm Meter

Features

- 0.001mΩ ~ 1.9999MΩ test range, ± 0.1% accuracy
- Provided Level and Pulse measurement modes, can be lower temperature influence in Pulse Mode
- Provided HI/LOW limit and BIN Sorting comparator function, to meet your needed
- High speed FADC, max. test speed up to 14ms faster your automation equipment

Specifications

Model Name					WK3100
Measurement Range	Level: 0.001 mΩ ~ 1.9999MΩ / Pulse: 0.001 mΩ ~1.9999Ω				
Source	Range	Display Range	Resolution	Current	Accuracy
LEVEL	20 mΩ	0.000 ~ 19.999	0.001mΩ	1A dc	±(0.1% of reading+ 5 digits) for slow speed
	200 mΩ	0.00 ~ 199.99	0.01mΩ	100mA dc	
	2 Ω	0.0000 ~ 19.999	0.0001Ω	100mA dc	
	20 Ω	0.000 ~ 19.999	0.001Ω	10mA dc	
	200 Ω	0.000 ~ 10.000	0.01Ω	1mA dc	
	2 kΩ	0.0000 ~ 1.9999	0.0001kΩ	1mA dc	
	20 kΩ	0.000 ~ 19.999	0.001kΩ	100uA dc	
	200 kΩ	0.00 ~ 199.99	0.01kΩ	10uA dc	
	2 MΩ	0.0000 ~ 1.9999	0.0001MΩ	1uA dc	
PULSE	20 mΩ	0.000 ~ 19.999	0.001mΩ	±50mA	±(0.5% of reading+ 10 digits) for slow speed
	200 mΩ	0.00 ~ 199.99	0.01 mΩ	±50mA	±(0.2% of reading+ 10 digits) for slow speed
	2 Ω	0.0000 ~ 1.9999	0.0001Ω	±50mA	
Test Speed	LEVEL: Slow: 135 Fast: 68 Max.:14 ms PULSE: Slow: 310 Fast: 170 Max.:140 m				
Open Circuit Voltage	20 mΩ~ 20 Ω <1.0V, 200 Ω ~ 2 MΩ < 5.5V				
Temperature Coefficient	±(0.01% + 0.5 digits) / ˚C				
Test Mode	4-Wire test				
Display LCD	240 * 64 Graphic display, 4 1/2 digitals				
Trigger Mode	Internal, External				
Ranging	Auto or Manual				
Functions	Auto ranging, Zeroing calibration				
Comparato	HI/LO: Judgment comparator STD value setting, Hi/Low Limit setting, Pass/Fail Judgment, Alarm Indicate				
	BIN sorting: Sorting comparator Reference value &HI-LO Limits setting by BIN NO. or STEPS mode, Limit of DCR Value, 8 BIN for sorting & BIN SUM count.				
Interface	RS232/HANDLER combinatorial interface				
Memory	Up to 100 sets of memory				
Battery backup	Measurement status: Measure range, Comparator setting				
Accessories	Test clips ,Power cord, Operation manual, Certificate of calibration				
Power	115/230 V ±10%, 50/60 Hz				
Dimensions	270(W) x 110(H) x 310(D) mm				
Weight	4.5 kg				