% checker

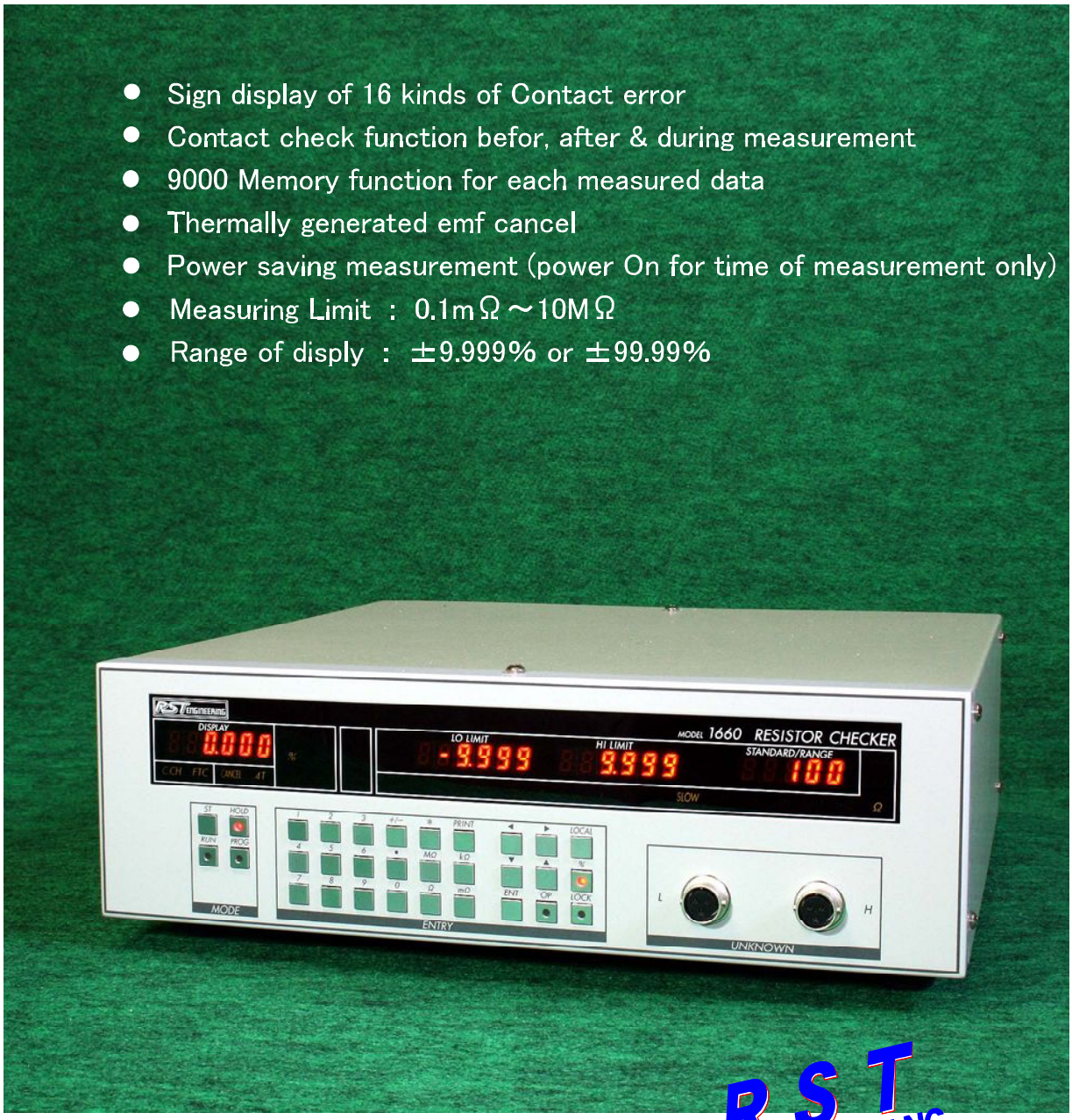
RST ENGINEERING

Up-Dated Resistor Checker

Model 1660

10mΩ～10MΩ Measuring Resolution 0.001%
RS-232C & Centronics Output Standard equipment

- Sign display of 16 kinds of Contact error
- Contact check function befor, after & during measurement
- 9000 Memory function for each measured data
- Thermally generated emf cancel
- Power saving measurement (power On for time of measurement only)
- Measuring Limit : 0.1mΩ～10MΩ
- Range of disply : ±9.999% or ±99.99%



RST ENGINEERING
Realize New Era
of
LCR Measurement

RST ENGINEERING CO., LTD
KYOTO JAPAN

Up-Dated Resistor Checker

Model 1660

16 kinds display function of Contact Error

Caused Contact-error point can confirm at a glance shown TORERANCE display position. Also same display at RS-232C.

Contact check function befor/after & during measurement

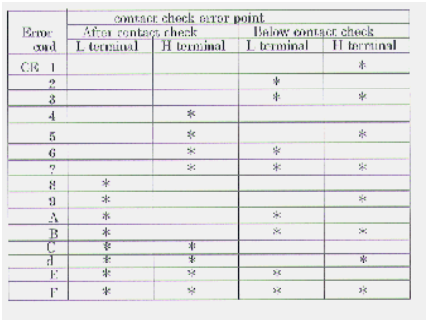
At every measuerements, super hi-speed action of contact check will check at befor/aftter in 2 times (for over 1M, will check after only) Furthrmore, watch during measurment and realize high reliability at 4 terminal measurement. (Contact-Error for over 30Ω)

☆Measuring limit
0.1mΩ～10MΩ

☆Display limit
±9.999% or ±99.99%
(HI) (LO)

☆Judged value setting limit
±0.000%～±9.999%(HI)
±00.00%～±99.99%(LO)

☆Measuring way
2 or 4 Terminal measurement



Error cord	contact check error point			
	After contact check		Below contact check	
	L terminal	H terminal	L terminal	H terminal
CR 1				*
2			*	
3			*	*
4		*		
5		*		*
6		*	*	
7		*	*	*
8	*			
9	*			*
A	*		*	
B	*		*	*
C	*	*		
d	*	*		*
E	*	*	*	
F	*	*	*	*

●Standard function 9000 data memory at every measurement Printer output & RS-232C

Specification

■ Measurring limit Accuracy (Accuracy is the figures at temp.23℃±5℃) (within 180 days after calibration)

Standard Measured value	Measuring current	Display limit	Accuracy			
			HI (±9.999%)		LO (±99.99%)	
			SLOW	FAST	SLOW	FAST
10.0mΩ ～ 99.9mΩ	200mA	HI ±9.999% LO ±99.99%	Within α±10d	Within α±10d	Within α±2d	Within α±2d
100mΩ ～ 999mΩ	100mA		Within β±3d	Within ±0.03% ±10d	Within ±0.02% ±1d	Within±0.03% ±2d
1.00 Ω ～ 9.99 Ω	50mA		Within±0.007%±1d			
100 Ω ～ 99.9 Ω	10mA		Within ±0.005% ±1d	Within ±0.02% ±10d		Within ±0.02% ±2d
100 Ω ～ 999 Ω	5mA					
1.00kΩ ～ 9.99kΩ	500μA					
10.0kΩ ～ 100 kΩ	50μA					
101 kΩ ～ 1.00MΩ	5μA		Within±0.007%±1d			
1.01MΩ ～ 10.0MΩ	500nA		Within ±0.03% ±10d	Within ±0.07% ±10d	Within ±0.03% ±2d	Within ±0.07% ±2d
(mΩcheck)	50mA	0～999.9mΩ	SLOW : Within±0.05% of rdg ±3d FAST : Within ±0.05% of rdg ±5d			

※ α : ±0.02%±(100/Standard setting value mΩ)×0.005%
β : ±0.005%±(100/Standard setting value mΩ)×0.005%
d : digit

※ Figures of Accuracy at FAST are the ones perfect shield condition of object to be measured.

※ Measuring conditions : 2/4 AUTO measurment (others Initial setting)

■Measuring way
4T : all ranges are 4 terminal
2T : all ranges are 2 terminal

2&4 terminal Auto changeover ON
below 100kΩ(STANDARD) 4 terminal
over 101kΩ(STANDARD) 2 terminal

■Measuring time

Power Frequency	Remote Start		Free Running
	FAST	SLOW	SLOW／FAST
60Hz	5msec	18msec	5 per sec
50Hz	5msec	21.5msec	5 per sec

FAST : Standard Measured value 10Ω～100kΩ

■Judge value setting limit
±0.000%～±9.999% [Display limit HI]
±00.00%～±99.99% [Display limit LO]
※ In case of mΩcheck 000.0mΩ～999.9mΩ

■Input/Output signal
input signal = START. HOLD
output signal = HI/GO/LO (judged result). C.E FTC.E (Contact Error)
EOC (End of measurement)

■Ambient condition Temp.:0℃～50℃ Humidity: below 85%

■Dimensions 330(W) × 99(H)×300(D) mm (excluding protruding parts such as handle,legs, etc.)

■Power supply AC 100v/117v/220v/240v (changeover)、 50/60 Hz、 Approx. 30VA

■Weight Approx. 6kg

※ Subject to change specifications for improvement without notice.

RST ENGINEERING CO.,LTD.
HED OFFICE
NO.382, NISHIKANAGASAKI, KANSHUJI,
YAMASHINA-KU, KYOTO, 607-8221 JAPAN
TEL(075)501-5501 FAX(075)501-7091
E-mail info@rst-eng.co.jp
URL http://www.rst-eng.co.jp