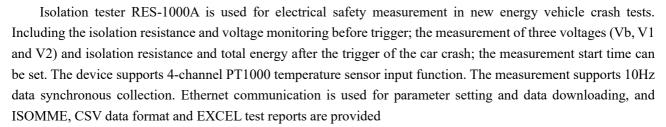
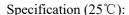


Isolation Tester RES-1000A

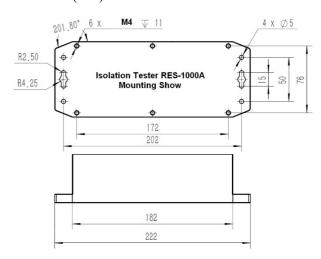
- Apply to Electric/Hybrid Vehicle Isolation Measurement;
- According to FMVSS305 and ECE R94;
- Voltage input isolation>1500V, impedance>10M Ω ;
- Built-in adaptive high voltage generator;
- Battery inside and 5 hours support;
- Data Logger with 10Hz, Max. recording 5 hours;
- Vb analog 100kHz high-speed output;
- Anti-Shock≥100g, 6ms half sine.





Name	Unit	Value
Voltage Range	V	±1000
Voltage Accuracy	%Read	±1 (±100~999V)
Iso. Resistance	kΩ	20~5000
Iso. Resistance	%Read	$\pm 5 (20 \sim 500 \text{k}\Omega)$
Accuracy		\pm 10 (500~5000kΩ)
Energy Range	mJ	5000
Injection Voltage	V	100~950
Temp. Interface	4 chs	PT1000 Sensor
Data Sampling	Hz	10
Recording Time	min	290
Battery Work	min	300
Trigger Input	Switch and RS485	
Connector	High Volt Input: 4mm Banana;	
	Others: LEMO	
Power Supply	V	9~18
Working Temp	$^{\circ}\!\mathbb{C}$	-10~45
Case Materials	/	Nylon
Size	mm	222×86×73
Weight	kg	1.2

Dimension (mm):



Parameter Settings:

- 1. Isolation resistance measurement can be turned off before triggering;
- 2. TE measurement can be turned off after triggering, and the start and forced end times can be set;
- 3. The start time of insulation resistance measurement after triggering can be set;
- 4. For high-voltage unpowered vehicles, the insulation resistance injection voltage can be set after triggering;
- 5. Insulation resistance and temperature alarm thresholds can be set;
- 6. The IP address and data storage location can be set.

Hangzhou Jebool Technology Co., Ltd.



Interface Connector:

1. High Voltage Input (4mm Banana)

ISOP Red: High Voltage Positive CHS Blue: Electrical Chassis ISOM Black: High Voltage Minus

2. Bus DC IN/ETH (LEMO EGG.1B.308)

Pin1—15V+
Pin2—15V+
Pin3—15VPin8—15VPin4—TX+
Pin5—TXPin6—RX+
Pin7—RX-

3. Trigger Input TRG (LEMO EGG.1B.305)

Pin1—Trigger sw+
Pin2—Trigger swPin3—RS485+
Pin4—RS485Pin5—NA

Front View
Socket

4. Vb Sensor (LEMO EGG.0B.305)

Pin1—Signal+
Pin2—Excitation+
Pin3—ExcitationPin4—Signal
Front View

5. Temperature TM1~4 (LEMO EGG.0B.304)

Pin1—PT1000+
Pin2—Sense+
Pin3—PT1000Pin4—Sense-

Control Button (Keep 3sec):

ON/OFF: Power ON/OFF

RESET: Clear Data

START/STOP: Measure and Recording Start or Stop



Status LED ON Indicators:

RDY: Device Ready;

MEAS: Measuring and Recording;

DATA: Data in the Memory;

T0: Triggered;

ETH: Ethernet Communication;

Charging: Battery under Charging;

BAT: Battery Energy is Enough;

Volt-Alarm: High Voltage Alarm;

ISO-Alarm: Isolation Alarm;

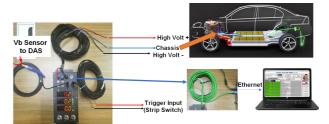
TE-Alarm: Total Energy Alarm;

VOLT: Digital Display Voltages of V1, V2 and VB;

R: Digital Display Isolation Resistance of R1 before trigger and R2 before stop.

TE/TL: Digital Display TE Result, BAT Battery
Remaining Percent, TL Recording Memory Time Left.

Wire Connecting:



Software:

