
Powering the Way
To A Better Tomorrow
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Tanbos, expert on power cable diagnosis

Note: Vehicles not included.

TBS-1000

Cable fault location system

TBS-1000 Cable fault location system

- Surging (thumping) 8/16/32 kV,delivers 2,432 J
- Easily installed in vehicles
- Built-in TDR, ARM, ICE and DECAY
- Controlled by a tablet
- Fully insulation design
- Equipped with intelligent mode and expert mode, suitable for different test situations

Introduction

The TBS-1000 Unit integrates TDR, DC test (residual voltage identification), multi-level impulse discharge, high-frequency arcing (fault conversion) and other functions. It is controlled by a wireless tablet and equipped with the Auto Go software system. It can automatically perform active pulse reflection testing and transient fault pre-location, truly realizing the intelligence of fault testing and equipment integration.

< 0.5㎡
Space need

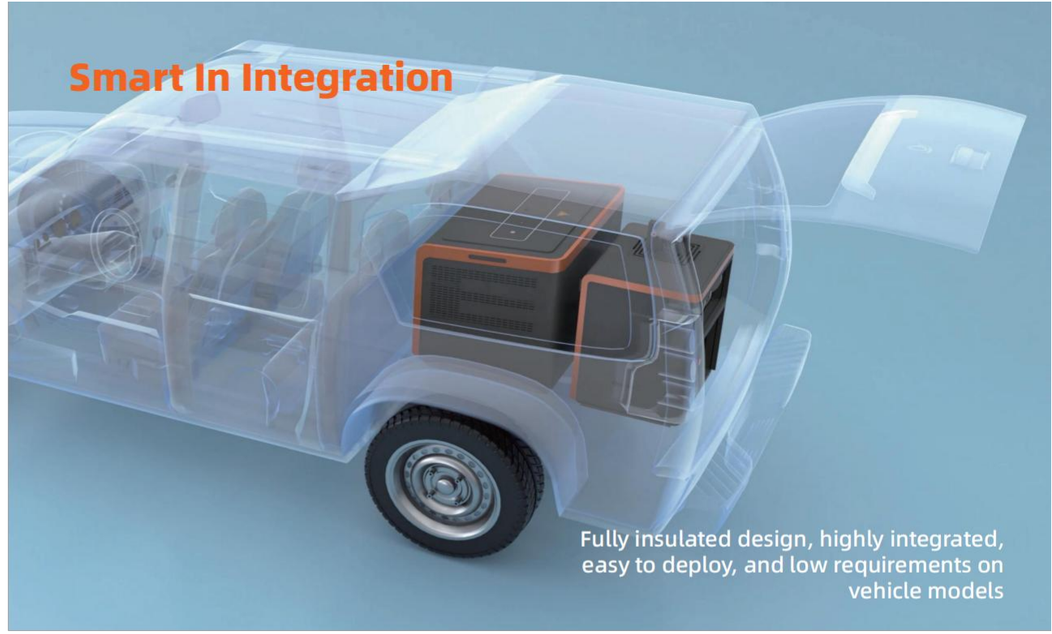
76uf
Max capacitor

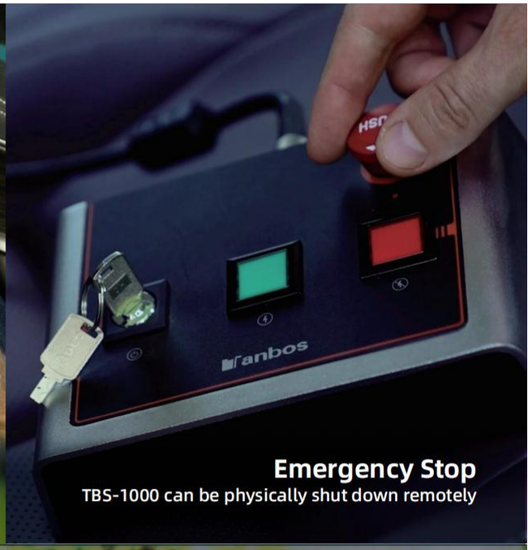
2500J
Output in all voltage range

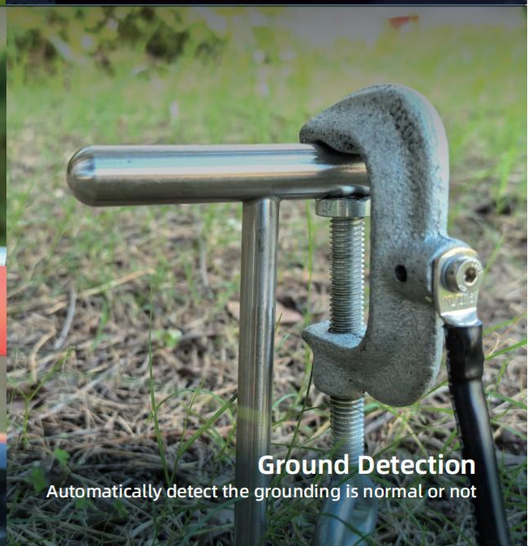
8/16/32kV
Voltage output

0-500kV
Voltage cable adjustable

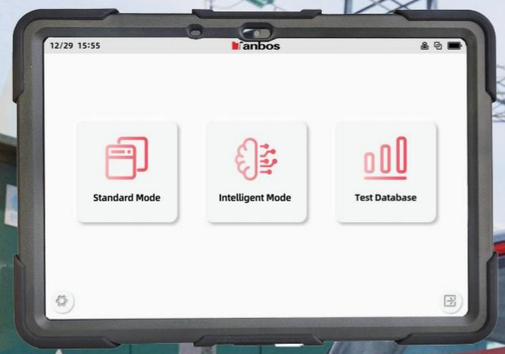
Note: Vehicles not included.







Smart In Test



All test controls are in a wireless tablet

AUTO GO software test system

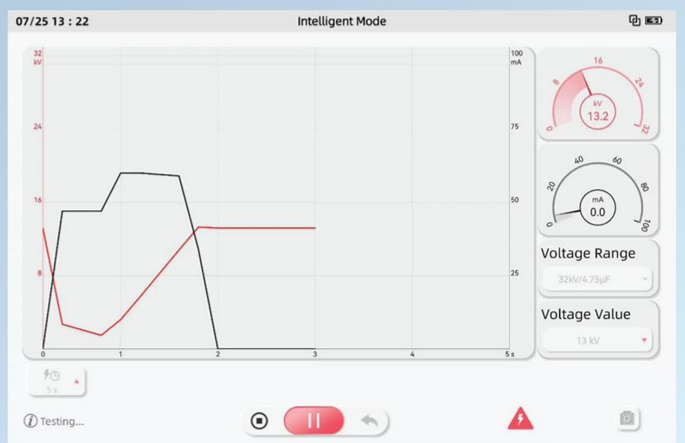
Auto Go consists of TDR, ICE, ARM, and DECAY test methods

With Auto Go Intelligent Mode, TBS-1000 can automatically detect cable status, analyze TDR waveforms, and pre-locate faults with one click. Auto Go also built-in powerful database function to store test data in real time

Smart In Function

Automatically analysis kinds of fault

Automatically analysis TDR waveform



Automatically help accurate locate fault

HIGH VOLTAGE PART TECHNICAL DATA	
HV DC source	0-32 kV DC test (DC hipot)
	60 mA nominal continuous current at 32 kV
Breakdown detection	0-32 kV
Standard surge levels	0 … 8 / 0 … 16 / 0 … 32 kV
	2,432 / 2,432 / 2,432 J
Surge rate	Adjustable 3-10 sec, and single shot
Built-in prelocation	TDR, ARM, ICE, DECAY
Sheath testing	0-32kV
Communication ways	Wi-Fi 2.4G
Control	Auto Go APP(Android version)
Grounding detect range	≥0.5Ω
Grounding detect set	2~10Ω adjustable
Grounding detect accuracy	Better than 0.2Ω
Step voltage detect range	0.5~200V(peak)
Step voltage detect set	0.5~42V(30VAC)
Step voltage detect accuracy	Better than 0.2V
Operating temperature	-20~ +45℃
Storage temperature	-40~ +60℃
Weight	180kg
Mains input supply	220V AC, 50/60Hz, 2kW
Dimensions (L x W x H)	900* 650* 703 mm
Protection class	IP43

RADAR AND CONTROL UNIT TECHNICAL DATA	
TDR setup	Physically and functionally integrated
Contorl	Wireless tablet computer and emergency stop box
Display	11.5"
Pulse generation	Bipolar
Pulse amplitude	50V
Pulse width	50ns ~10us
Measuring range	0 -100 km, at VOP= 80 m/us
ProRange	0 -40dB
Resolution	0.1m (at 172m/us)
Accuracy	0.10%
Gain level	6
Data rate	200MHz
Velocity of propagation	100-300m/us
Multishot support	Yes, 5 HV fault traces
Waveform storage capacity	Unlimited

Standard accessories of TBS-1000 cable fault location system

Control Box

Tablet

Discharge Rod

10m High Voltage Output Cable

10m Ground Cable

10m Ground Condition Detect Cable

5m Control Wire

* These test cables are integrated into the TBS-1000.

Optional accessories of TBS-1000 cable fault location system

Wirereel

Optional manual or electric-powered wirereel
HV output cable can be selected 25m, 50m

Power Bank

Supply power to TBS-1000, no need heavy generators

PP20 Pin Pointer

Used to accurate locate cable fault

LB4-60A Smart Bridge

By using bridge method to locate a cable fault, also contain more powerful burning function

HCI Cable Identifier

Used to confirm which one is the target cable