BECS

BTR7000

Ultra-Precision Cable Fault Locator

- Designed to perform in harsh environments with a dustproof (IP68) structure.
- 7” high-resolution Color LCD (800*480)
- Available power bank battery
- USB type Adapter
- Allows you to save the "Smart Capture" feature quickly and easily
- Charge and transfer files simultaneously via the integrated USB port
- Provides an easy-to-use GUI and UX
- Outstanding accuracy and industry-leading ultra-precision resolution

Made in Korea

CE

RoHS Compliant

Support WAVE MATE™
Easy report & Sharp waveform analysis

Our TDR technology ensures industry-leading accuracy for checking and monitoring cables across complex and reliable networks, including detecting small, under-represented cable failures and small changes in cable state.
BTR7000 can be used to measure all types of metal cables that have at least one pair of core.

Performance

- Pulse: 250ps ~ 10ns
- Accuracy: ± 1cm @ coaxial cable
- Resolution: 0.5mm @ coaxial cable

User convenience

- User-friendly interface
- Automated report delivery
- Smart capture capabilities

Integration

- Integrated USB ports allow charging, and data transfer simultaneously

Usability

- Precision cable testing
- Diagnosis of fine cable faults
- Comparative analysis of cable status

An unplanned failure or problem in cables, one of the vital parts of modern industrial society, has enormous economic implications and is hazard ous to the entire industry. Over the past few years, industrial sites are gradually experiencing issues caused by fine-grained failures that existing equipment can't detect.
We are proud to offer the industry's highest accuracy for checking and monitoring cable status in complex networks, including the capability to identify small changes in cable status or micro cable failures by adopting a new iteration of Time Doman Reflector technology. It is suitable for all types of metal cables that have more than one pair of core wires. BECS's ultra-precision cable waveform analyzer (Model No. : BTR7000) is based on our high-precision TDR technology and senses small changes in cables that are not easily visible to the naked eye through the lowest output pulse of 250ps. The 0.5mm resolution enables the BTR7000 to display any problem that appears as a fine mesh on the large screen. The BTR7000 makes it possible to locate, identify, diagnose, and address problems in your infrastructure in real-time.

Specification

Performance	Range	10cm ~ 300m for coaxial cable
	Max display resolution	0.5mm
	Max vertical resolution	122uV
	Accuracy	1±cm for coaxial cable
	V.O.P setting	VOP : 99.99 ~ 10.00 % (in %0.01 step)
	Pulse width	500 ,250ps, 10 ,5 ,4 ,3 ,2 ,1ns
Interface	Display	480*800 "7pixel color LCD (with backlight)
	Output impedance	50Ω
	Dynamic range	84dB
	Input bandwidth	4.8GHz at 2Vpp
	Input protection	500Volts (AC+DC)
	Internal memory	8G Byte
	Effective sampling rate	50GS/s
	Max.Storage capacity	500 ea
	Connector	BNC Female
	Refresh rate	5times per second
	Communication port	USB A
Power	Internal battery	3.6V Li-ion battery pack, 26,000mAh
	Power consumption	6W at %50 LCD Brightness
	Adaptor	USB A
	Operation time	6hours
	Recharge time	Approx. 8hours
Environment	Operation temp	-15°C (+5°F) ~ +60°C (+140°F)
	Storage temp	-20°C (-4°F) ~ +70°C (+158°F)
	Humidity	Less %95
	Size	296mm x 96mm x 212mm
	Weight	3.2kg
	Warranty	1 year from date of purchase

* Specifications subject to change without notice.

Application

Power / Electric	Telecommunication	Transportation	Construction
Power Plant	Network	Vehicle	Public infra
Smart Factory	Monitoring	Railway	