

FNIRSI FNB58 BT USB port tester with Bluetooth



Model: FNB58 BT

Manufacturer: FNIRSI

EAN: 5905156102194

Product Code: 1298699

R1,837

FNIRSI FNB58 BT USB port tester with Bluetooth

The FNIRSI FNB58 BT is an advanced USB port and fast charging technology tester that allows you to easily check power parameters, protocol compatibility, and accessory quality. It offers a clear display, very high measurement precision, and broad support for fast charging standards from popular brands. It allows you to analyze voltage, current, power, and charging waveforms in real time and offline. It checks the quality of chargers, cables, and their actual performance, detecting weak or dangerous power sources. With Bluetooth connectivity and app support, it provides convenient data monitoring and additional safety features.

Enter the era of super-fast charging

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The FNIRSI FNB58 BT is an advanced measuring tool designed for technology enthusiasts, service technicians, and anyone who wants to have full control over the charging process. Support for PD3.1 standards with EPR AVS mode up to 28 V and detection of PD cables with power up to 240 W make the device a perfect fit for advanced chargers and accessories. It is a device that allows you to understand and fully utilize the potential of fast charging.

Precision that is visible at first glance

The front of the tester features a 2-inch high-resolution LCD display that presents complete and extremely accurate measurement data. A resolution of up to 0.0001 allows you to detect even subtle changes in voltage, current, and power in real time, so that any anomalies during charging are immediately noticeable. The simple, easy-to-read interface and independent function menu make operation intuitive and comfortable.

Robust construction and full connector functionality

The FNIRSI FNB58 BT is equipped with a 5P high current capacity USB-A output and input, as well as Type-C and Micro inputs and a Type-C output. The use of 24-pin high-quality copper contacts in the Type-C port translates into stable and reliable measurements. The housing also features function buttons, a back button, a PC interface, and a dedicated PD switch, making the device a complete diagnostic center for USB ports and cables.

Full compatibility with the most popular standards

The tester supports a wide range of fast charging protocols, including PD 2.0 and 3.0, PPS, QC 2.0 and 3.0, FCP, SCP, AFC, PE, DASHVOOC, and SuperVOOC. This allows it to work seamlessly with Huawei, Xiaomi, and OPPO super fast charge technologies, as well as Apple Power Delivery and Samsung fast charging. Automatic protocol detection allows you to instantly check which mode your charger and cable are operating in.

Detect problems before they damage your equipment

Advanced power ripple measurement allows you to quickly assess the quality of the charger. The device clearly indicates the wave level, allowing you to assess whether the power supply is

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excellent, normal, burdened with high ripple, or even of poor quality. This helps you avoid using poor-quality chargers that shorten battery life and negatively impact device safety.

Real-time and offline curve analysis

The FNIRSI FNB58 BT displays live voltage and current waveforms, allowing you to immediately detect abnormal charging. In addition, it offers offline curve recording for up to 9 hours, allowing you to analyze the entire process after charging is complete. Monitoring D+ and D- curves gives you full insight into real-time changes in charging protocols, making the tester an expert tool.

Cable and real-world performance diagnostics

The device can read data from the CC line in PD cables with an E-Marker chip, detect DASH cable parameters, and measure their internal resistance using a two-step method under a constant current load. This makes it easy to check whether the cable actually meets the declared parameters and is suitable for fast, high-power charging.

Smart power management and Bluetooth connectivity

The tester supports the recording of up to 10 sets of charging and discharging power data, and the built-in algorithm allows for quick calculation of battery capacity based on the recorded values. Bluetooth connectivity, a mobile app, and computer support without installing drivers ensure convenient data synchronization. In addition, the Bluetooth app offers overvoltage and overcurrent alarms for increased safety. Note: this feature is not supported by iOS.

Manufacturer	FNIRSI
Model	FNB58
Dimensions	42 x 13 x 82 mm
Display	2.0" LCD
Measurement resolution	0.0001

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Fast charging support	PD 2.0, PD 3.0, PD 3.1 (EPR AVS up to 28 V)
Cable detection	PD E-Marker (up to 240 W), DASH cables
Supported charging protocols	PPS, QC 2.0, QC 3.0, FCP, SCP, AFC, PE, DASHVOOC, SuperVOOC
Fast charging compatibility	Huawei, Xiaomi, OPPO (Super Fast Charge), Apple (Power Delivery), Samsung (Fast Charge)
Ports and interfaces	USB-A (input and output, high current 5P), USB-C (input), USB-C (output), Micro USB (input), PC interface
USB-C port design	24-pin copper contacts
Measurement functions	Real-time voltage, current, power
Power ripple measurement	Quick charger quality analysis
Curve display	Real-time voltage and current
Offline curve recording	Up to 9 hours
Battery capacity calculation	Built-in calculation algorithm
Wireless connectivity	Bluetooth

GPSR Link: https://psr-assets.innpro.pl/tools/sg_tools_other.pdf, Net weight: 44, Box length: 11,50, Box width: 7,50, Box height: 2,00, Gross weight: 100, PPWR: <https://ppwr.innpro.pl/fnirsi>

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