



BTPRO-8000S

PROFESSIONAL SATELLITE, TV, CATV, AND OPTICAL ANALYZER



KEY FEATURES

- » **Auto Discovery System** – automatically detects and selects analog and digital COFDM/QAM TV signals in both Measurement and Spectrum modes
- » **Help Function** – automatically identifies all the signals with digital modulation – SAT, TV, and CATV
- » **Digital Measurements** include Digital Power, MER, BER, PER, LDPC, BCH, Noise Margin, MER vs Carrier
- » **Automatic Assistant** provides Signal Quality analysis, Channel Scan memorization
- » **Barscan TV & CATV Function** tests from 10 to 100 channels on one (1) screen
- » **Buzzer & Noise Margin** provided via real time graph
- » **USB on the Go** for long term logging and storage
- » **Remote Monitoring and Control** capability
- » **Memory Functions Supported** - Auto, Manual, and Logger



NAVIGATION ICON MENU

PRODUCT OVERVIEW

The **BTPRO-8000S** is a professional HD Tablet/Touch Analyzer with a frequency range of 4 to 2610 MHz. The analyzer features a 7” TFT LCD touch screen with 16:9 high-resolution color display and adjustable brightness. The unit is both compact in size and lightweight.

The **BTPRO-8000S** is ideal for analyzing and logging in the lab or out in the field - HD/SD QPSK/8PSK Satellite, COFDM, QAM, NTSC, as well as Fiber Optic and Wi-Fi signals.

ORDERING INFORMATION

MODEL	STOCK#	DESCRIPTION
BTPRO-8000S	4232A S	HD Tablet/Touch Signal Analyzer

MEASUREMENT & ANALYSIS

Wide Band	4-2610 MHz
RF In Impedance	75 Ω (interchangeable F-type connector)
Digital Measurement	Digital Power, MER (36 to 40 dB max depending on modulation), BER, PER, LDPC, BCH, Noise Margin, MER versus CARRIER.
Measurement Resolution	0.1 dB
Level Measurement Accuracy	1 dB typical (2 dB maximum)
Constellation	for TV/CATV and SAT signals
Spectrum	Fast spectrum, Max Hold and spectrum memorization with real-time compare
Net-id on board	Net-id, NID, TSID, LCN, SAT Orbit Position
Digital Quality	Auto Test: PASS-MARGINAL-FAIL
Digital Pictures (all on one screen)	MPEG2-4 SD/HD, HEVC pictures with Program List, Audio/Video PIDs, LCN, Video bit rate
DC voltage @ RF Input	5 - 12 - 18 - 24 V, DC DiSEqC, SCR & dCSS commands
Audio	AAC

SATELLITE MEASUREMENTS

Frequency Range	930 - 2610 MHz, Extended Band
Freq. Resolution	5 MHz
Power Range Meas.	5 to 105 dBμV
Resolution Filter BW	1 MHz @ -3 dB

TV AND CATV MEASUREMENTS

Frequency Range	4 - 1250 MHz, Extended Band
Freq. Resolution	25 KHz
Power Range Meas.	35 to 115 dBμV
Resolution Filter BW	100 KHz @ -3 dB

OPTICAL MEASUREMENTS

Max. Ingress Power	5 dBm
Wavelengths	1310, 1490, 1550 nm
Range	-25 to +6 dBm
Resolution	0.1 dB
Accuracy	+/- 0.5 dB
Optical > RF Conversion	SAT, TV & CATV Measurements and Spectrum

CONNECTORS

RF In	1x Type "F" (interchangeable connector)
Analog In	1x RCA Composite
Optical In	SC
USB 2.0	1x Type "B" (PC Interface), 1x Type "A" (typical for USB Drive)
HDMI Out	HDMI, v2.0b, "Type A" (image output & OSD)
LAN	1x RJ45, 1000Base-T Ethernet (GigE)

GENERAL

PHYSICAL

Touch Display	7" TFT LCD Screen, 16:9 aspect ratio, high resolution, high brightness
Dimensions (W x H x D)	6.10 x 10.63 x 1.58 in (155 x 270 x 40 mm)
Weight	3.97 lbs (1.80 kg)
Housing	Aluminum and Steel housing with.
Accessories	Padded transport bag, AC power adapter, USB cable, Adapters: F to F, F to BNC, F to N

POWER

Battery	Lithium Polymer (rechargeable); ~2 to 4 hr duration; includes battery test function
Power Supply	12VDC, 3A (Battery Charger)
Power Save	TFT backlight timer, brightness adjustable

ENVIRONMENTAL

Operating Temp.	32 to 122 °F (0 to 50 °C)
Storage Temp.	not to exceed over 140 °F (60 °C)
Humidity	0 to 90%, non-condensing

ALARMS, CONTROL, & MONITORING

On-Screen	Touch (incl. stylus pen)
Keypad	Alpha-Numeric + Wheel, Multifunction
LED Indicators	Mains, Battery Charge, DC@RF In
PC Management	SMART Software via USB-B