

SOLUTIONS FOR ALL YOUR APPLICATIONS

The **BTPRO-7000** is a professional HD Tablet/Touch Analyzer with a frequency range of 5 to 1250 MHz. The analyzer features a 7 inch diagonal color screen, is compact in size and lightweight. It is ideal for analyzing and logging 8VSB, QAM and analog television or radio signals in the lab or out in the field.

The **BTPRO-7000 CM8FO** adds a fiber optic receiver as well as an 8x4 DOCSIS 3.0 cable modem to the instrument. Displayed information includes frequency power, modulation type and quality parameters of eight (8) downstream and four (4) upstream channels. The cable modem mode can provide a ping report, as well as IP information received from the CMTS.

The fiber option also can display direct optical power measurements up to +7 dBm. The optical receiver offers a broadband RF output, that when looped back into the BTPRO-7000 RF input, shows the standard RF measurements and optic modulation index (OMI).





Features

Measurements:

• MER, aBER, bBER, EVM, noise margin, level/power, real time spectrum analyzer and constellation display

CATV Measurements:

- DOCSIS downstream, INGRESS mode, LEAKAGE mode, BAR SCAN and TILT
- TV and CATV tuner, extended band, 5-1250 MHz
- Auto discovery system automatically detects and selects analog and digital 8VSB/QAM TV signals in both Measurement and Spectrum modes
- Spectrum in real time, fast and super-fast with memory peak
- Detects, measures and displays video of MPEG 2/4 and H.264 HD programs
- All measurements, program lists, A/V PIDs, NET ID, virtual channel number, settings and pictures are on one screen

- Automatic quality analysis: FAIL-MARG-PASS
- Auto memory, Manual memory and Datalogger functions
- Help function automatically identifies all the signals with digital modulation
- Bar scan TV and CATV function from 10 to 100 channels on one screen
- Audio decoding of AAC and AC3
- Battery test function, to regenerate and measure the batteries and calibrate the battery indicator
- Optional DOCSIS 3.0 8DS x 4US modem
- Fiber Optic option provides optical power, OMI and detected RF measurements.

Ordering Information

Model	Stock #	Description
BTPRO-7000	4231	HD Tablet/Touch Signal Analyzer
	4231 CM8FO	HD Tablet/Touch Signal Analyzer with Cable Modem and Fiber Optic options

Display Screens

Standard Measurement Display

PLAN	MODULAT	CONST	DC@RF	FREQ	CHAN	
USABRO	VSB	8VSB	0FF	587.00	33	
POWER: 4.5	5dBmV			4	WCBS-HD	
-30 -15						
MER:>36dB			- <u>-</u> <u>v</u>			
ō 12 16 3	8 12 16 29 24 28 32 36 49					
NsMAR: 17.0dB QLY: PASS						
-1 3 7 11 15 19 25						
bBER: <10-9			THE	Card I	WCBS-HD	
-2 -3 -4	4 -5 -6	-7 -8	PTD:	49 APID	52	
aBER: <10-9		ERR:000	ANNEX	1 10 11		
-2 -3 -4	4 -5 -6	-7 -8	SYM.R.	ATE: 'T.:	5.381MS/s Clear	
NID:	2-1 N	TW: WCI	35 HD		Menu & 7 🔒	

Full Video Display



DOCSIS Display (*)

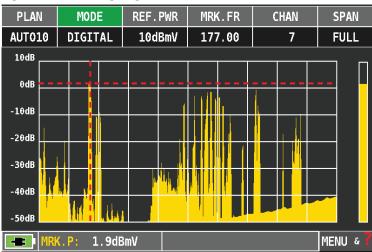
SETTINGS DOCSIS MEASURE (TONE GENERATOR)							
MODEM	MODEM STATUS: CM is Operational - LOCKED D3						
DS CH1 FR: 615.00 QAM: 2568 SR: 5.361 POW: 3.1 MER: 38.9 bBER: <e-9 aBER: <e-9 ERR: 0000 US CH1</e-9 </e-9 	DS CH2 FR: 603.00 QAM: 2568 SR: 5.361 POW: 4.1 MER: 38.9 bBER: <e-9 aBER: <e-9 ERR: 00000 US CH2</e-9 </e-9 	DS CH3 FR: 609.00 QAM: 2568 SR: 5.361 POW: 3.8 MER: 38.9 bBER: 45-9 aBER: 45-9 ERR: 00000 US CH3	DS CH4 FR: 621.00 QAM: 2568 SR: 5.361 POW: 3.5 MER: 38.3 bBER: 45-9 aBER: 45-9 ERR: 00000 US CH4	OS CH5 FR: QAM: SR: POW: MER: bBER: aBER: ERR:	DS CH6 FR: QAM: SR: POW: MER: bBER: aBER: ERR:	OS CH7 FR: QAM: SR: POW: MER: bBER: BBER: ERR: ERR: ERR:	DS CH8 FR: QAM: SR: POW: MER: bBER: aBER: ERR:
QAM: 64 FR: 22.00 SR: 5.120 TX: 58.0 ATT: 63.0	QAM: FR: SR: TX: ATT:	QAM: FR: SR: TX: ATT:	QAM: FR: SR: TX: ATT:	TX PKG: RX PKG: LOST: PER: LATmin: LATmax: AVG:		GTWY: 10.1 TFTP:167.2 MASK:255.2	31.120.190 31.120. 1 06.195.102 55.252. 0 /B90D319Å/

(*CM8FO)

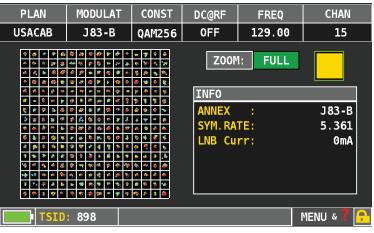
Specifications

Dimensions (W x D x H):	9.5" x 1.6" x 5.5" (240mm x 40mm x 140mm)
Weight:	3.5 lbs. (1.6 kg)
Display:	7" TFT touch display, 16:9, high resolution
Battery:	LI-ION-POLIMER 4A battery with 4 hour battery capacity
Supplies:	Padded transport bag, AC and vehicle battery chargers

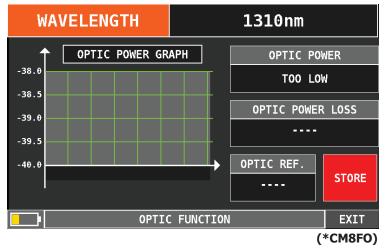
Spectrum Display



Constellation: Full



Fiber Power Measurement (**)



Related Products

Model	Description
BTPRO-7000S	HD Tablet/Touch Signal Analyzer; HD/SD QPSK/8PSK satellite, 8VSB, QAM, Analog
BTPRO-1000 MTSA-PRO	QAM/8VSB/Analog Signal Analyzer MPEG Transport Stream Analyzer

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