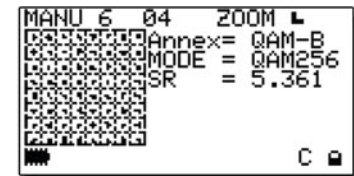
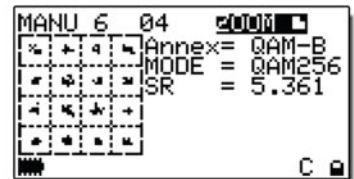
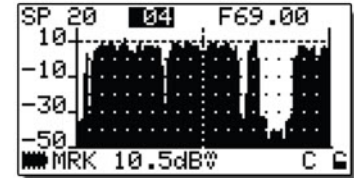
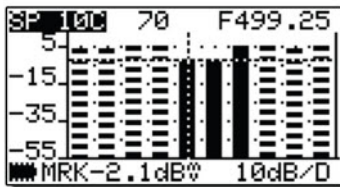
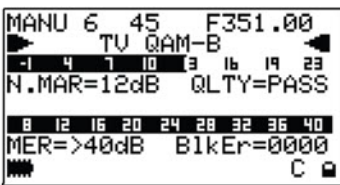


# BTPRO-1000 RK

## QAM/8VSB/Analog Signal Analyzer with Pro:Idiom™ Key Recovery

The BTPRO-1000 RK is a versatile CATV test instrument for measuring both digital and analog CATV and Broadcast TV signals. Robust and easy to use, BTPRO-1000 RK provides hours of operating time from its high capacity battery. The instrument comes complete with soft carrying case, AC main and automotive chargers.

An optional Pro:Idiom™ Key Recovery feature is available for Hospitality applications that employ Pro:Idiom™ television sets. The option consists of a built-in frequency agile QAM modulator that connects directly to an affected Pro:Idiom™ TV to provide new encryption key information.



### Critical features for conducting your sight survey:

- Directly tests the Pro:Idiom compatibility of any television set in advance of system deployment
- MPEG4 compatibility test to confirm that the TV will receive MPEG4 HDTV signals
- MPEG1 Layer 2 compatibility test to determine if the TV's will require a converter box or headend audio transcoder to receive certain satellite pass thru audio signals
- Spectrum analyzer feature to check for frequencies in the network that may conflict with frequencies being added

### Features

- QAM/8VSB/NTSC Measurements
- Extended frequency range of 4-1000 MHz
- MER, aBER, bBER, Noise Margin and Level/Power measurements plus Spectrum Analysis
- Automatic quality analysis: FAIL-MARGINAL-PASS based on user defined values
- Auto Seek & Store Function - an essential feature for creating custom memory channel plans Scans receivable signals, determines signal type (QAM,8VSB or analog) and stores only those channels having signal levels above user defined values
- Ingress and Leakage Modes
- Data Logger Function: Steps through each channel in the "Active" memory plan and stores all related measurements
- Graphics Display, Alpha-numeric keypad
- Optional TV Key Recovery for Hospitality Pro:Idiom™ systems

### Ordering Information

BTPRO-1000 RK RK Signal Analyzer with Pro:Idiom™ Key Recovery Option

North American Cable Equipment Inc.

(800) 688-9282 [www.northamericancable.com](http://www.northamericancable.com) [sales@northamericancable.com](mailto:sales@northamericancable.com)

## ***BTPRO-1000 RK Specifications:***

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### **Level Measurement & Spectrum Analysis**

<b>Frequency Range:</b>	TV, CATV & Radio 4-1000 Mhz
<b>Frequency Resolution:</b>	25 KHz
<b>RF Input Impedance:</b>	75 $\Omega$ (interchangeable "F" connector)
<b>Dynamic Range:</b>	-59 to +65 dBmV
<b>Measurement Resolution:</b>	0.1 dB
<b>Level Measurement Accuracy:</b>	1 dB typ. (2 dB max)
<b>A/V Ratio:</b>	up to 22 dB, +/-1.5 dB (2 dB max)
<b>C/N Ratio:</b>	up to 45 dB +/-1.5 dB Max; 45-50 dB +/- 2 dB
<b>Resolution Filter Bandwidth:</b>	100 kHz @ -3 dB
<b>Custom Channel Plans:</b>	25 (199 ch. per plan)

### **Power & Digital Measurements**

<b>Frequency Band:</b>	4-1000 Mhz
<b>Power Measurement:</b>	-45 to 65 dBmV
<b>BER Measurement:</b>	(pre) bBER up to 1 x 10 <sup>-9</sup> (post) aBER up to 1 x 10 <sup>-9</sup>
<b>MER Measurement:</b>	up to 40 dB (1dB typ., 2dB max)
<b>Constellation Display:</b>	16-32-64-128-256 QAM

### **Ingress & Spectrum Measurements**

<b>Frequency:</b>	5 - 65 MHz
<b>Level:</b>	-55 dBmV to 65 dBmV
<b>Accuracy:</b>	+/- 2 dB
<b>BW:</b>	100 kHz @ -3dB

### **Leakage Measurements**

<b>Frequency Range:</b>	115 -140 MHz
<b>Resolution:</b>	25 kHz
<b>Antenna Type:</b>	selectable

### **General**

<b>Power Supply:</b>	Built in NiMh rechargeable battery, external power supply
<b>Battery Suration at 25°:</b>	4 hours
<b>Size:</b>	8.5" x 5.0" x 2.4" (215 x 125 x 60 mm)
<b>PC Interface:</b>	USB
<b>Front Panel:</b>	Alpha numeric keypad
<b>Power Save:</b>	TFT backlight timer, brightness adj

### **Pro:Idiom™ Key Recovery**

<b>RF Output Connector:</b>	1x "F" Female
<b>Modulation:</b>	QAM 64 or 256 (user selectable)
<b>Standard:</b>	ITU-T J.83 Annex B
<b>Channel Range:</b>	CATV 2 to 158
<b>Output Level:</b>	0 dBmV