

813i / 815i / 819i

CATV Installer's Signal Level Meters



800 Series

The Applied Instruments' 800 Series Signal Level Meters are compact, durable units designed for simplicity and reliability. Their many built-in features include simultaneous reading of video and sound carriers, carrier-to-noise measurement and practical features like exceptionally long battery life and the ability to recharge the battery from 12V vehicle power.

Rugged internal componentry and molded weather-resistant cases make the 800 Series meters stand tough for years of dependable service.



- Digital amplitude display with 0.1dB resolution.
- Single keystroke toggles between tune-by-frequency and tune-by-channel.
- Amplitude range selector keys. Convenient automatic up-ranging selects higher attenuation when encountering an unexpected overrange signal.
- Power switch with automatic shutoff. Front panel settings recalled upon turn on.
- Calibration correction can easily be set with front panel controls.



- Carrying/operating bag, neck strap, and wall transformer included.
- Field replaceable "F" connector.
- Up to 99 favorite channels can be programmed for rapid drop evaluation.
- Video and Δ sound levels displayed simultaneously - preferred by CATV technicians.
- Channel and frequency digital display.
- Selection of tuning plans such as NTSC and Jerrold, (Standard and HRC), are easily selectable via the front panel.
- Synthesized tuning eliminates channel guesswork.

800 SERIES SPECIFICATIONS

Frequency accuracy.....	± 20 kHz (from +20°C to +30°C)
Frequency tuning resolution.....	0.125 MHz
Amplitude measurement range....	-35 to +60 dBmV
Amplitude accuracy.....	± 0.75 dB (from +20°C to +30°C) ± 2.0 dB (from -17°C to +55°C)
IF bandwidth.....	280 kHz at 3 dB points 600 kHz at 40dB points
Size (W x H x D).....	6.5" x 8.5" x 3.25" (16.5cm) x (21.6cm) x (8.3cm)
Weight.....	4.5 lbs. (2.04kg)
Operating temperature range.....	-17°C to +55°C
Battery life.....	8 hours typical
<i>110 VAC or 220 VAC wall transformer included</i>	

Model Frequency Ranges

813i.....	46 to 600 MHz
815i.....	46 to 860 MHz
819i.....	1 to 860 MHz

Channel Plans- NTSC, FM 88-106, Off-Air, HRC, IRC, Jerrold Std, Jerrold HRC, Pal 1, Pal B-G, Pal HRC. (Custom channel plans available upon request.)

Options- Return band alignment option is available on the Model 819i. This option works in conjunction with the Applied Instruments Model 6103 headend unit.

Specifications subject to change without notice.