



ComSONICS®

COMPANION

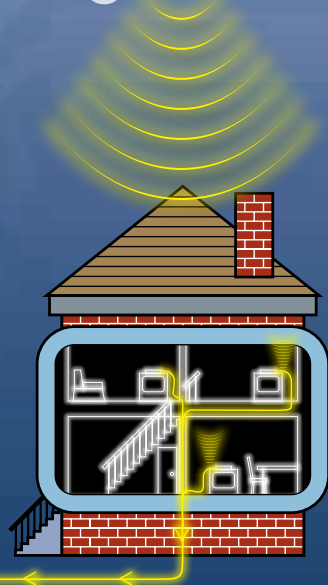
Faster Installs, Lower Cost

Now Supports Home Certification

- Auto Test + Results Capture
- Reverse Path Analysis
- Active* Ingress Testing
- Analog, Digital & Broadband Measurements
- Multiple Channel Test Plans



Active Ingress Testing!



The perfect installer meter, with both active and passive ingress testing – uncovering the toughest ingress problems the first time out.



*Requires X-Ray Transmitter Device Sold Separately

COMPANION

Compact size installer meter with analog and digital measurement functions
plus active and passive ingress testing to uncover ingress problems the first time out.

FEATURES:



FAVORITE CHANNELS

Favorite Channel Mode

- Displays Five Preselected Channels
 - Analog Visual Carrier Level
 - Digital Multiplex Power
- Slope
- **Pass/Fail** Indication*



SINGLE CHANNEL

Single Channel Mode

- Analog
 - Video & Audio Levels
 - V-A Ratio
- Digital
 - Multiplex Power
 - 64 or 256 QAM Type*
 - Flatness
 - MER
 - Pre-FEC BER and Post-FEC BER
- **Pass/Fail** Indication*



REVERSE PATH

Reverse Path Analysis

- Normal, Average, or Peak Hold Display
- Peak Level Indicator
- Frequency Range Zoom
- Level Range Shift
- **Pass/Fail** Indication*



X-RAY INGRESS

X-Ray Reverse Ingress

- (Requires Optional X-Ray Transmitter)
- Active Ingress Test Signal
 - Premise Shielding Integrity Measurement
 - **Pass/Fail** Indication*



THROUGHPUT

Throughput Mode

- Downstream
 - Data Speed¹
 - Level
 - Frequency
 - Modulation Type
- Upstream
 - Data Speed¹
 - Level
 - Frequency
 - Rate
- **Pass/Fail** Indication*
- ¹ Provisioned Modem and Throughput Server Required



AUTO TEST

AutoTest

- Function for Field Measurements and Internal Storage of Channel Data*
- Unique Test Naming Feature
- **Pass/Fail** Indication*
- On Screen Display of Failed Measurements
- Supports 30 unique Channel plans

* Presets in Active Configuration Setting Downloaded from Companion PC Configuration Utility.

SPECIFICATIONS:

Analog Television

In accordance to procedures in NCTA Recommended Practices, Third Edition

Tuning Range	54 to 960 MHz
Signal Level Range	-30 to +30 dBmV
Auto Level Display	5 dB Steps
Video Signal Level	± 2.0 dB accuracy
Audio Signal Level	± 2.0 dB accuracy
Channel Set	<ul style="list-style-type: none"> - STD-EIA (Factory Default) - Fully Customize Channel/Frequency/Type with Companion PC Configuration Utility - Store Up to 30 Field Selectable Channel Sets in Unit
Favorite Channels	<ul style="list-style-type: none"> - Five Channels per Channel Set - Preselected in Companion PC Configuration Utility

Digital Television

In accordance to procedures in NCTA Recommended Practices, Third Edition

Power Level Range	-30 to +30 dBmV
Multiplex Power Level	± 2.0 dB accuracy
Measurements Range	-20 to +20 dBmV
MER	± 2.0 dB accuracy
Post-FEC BER	10-4 to 10-9
Pre-FEC BER	10-4 to 10-9

High Speed Data

Upstream Throughput	Up to 3 Mbps
Downstream Throughput	Up to 15 Mbps

X-Ray Reverse Ingress

D2I Range	10 - 100 dB (D2I = Dwelling Ingress Integrity)
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Reverse Path Analysis

Freq. Range	5 - 42 MHz (65 MHz Europe)
Level Range	-40 - +60dBmV (20 - 120 dBµv)

General

Size	7" X 4.5" X 1.5"
Weight	20 oz
Battery	Li-Ion rechargeable, 3.7V, 4800 mAh nominal run time ≈ 4 hours charge time ≈ overnight
AC Charger	5 VDC, 1A, mini USB
PC Utility Interface	mini USB
Operating Temperature	0°F to 120°F (-18°C to 49°C)
Storage Temperature	-20°F to 150°F (-29°C to 66°C)
Humidity	0 ~ 95% non-condensing