

QUICK START GUIDE

SIGNALSCOUT

SIGNAL LEVEL METER FOR OVER-THE-AIR
AND CABLE TV

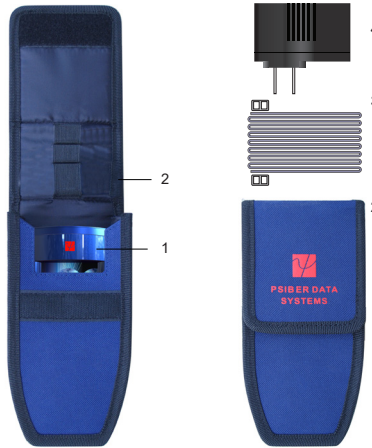
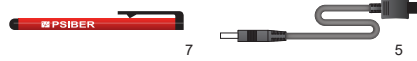
MODEL 40



CONTENT

Contents Includes:

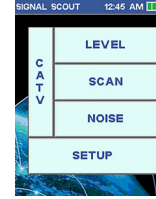
1. SignalScout Meter (SS40)
2. Carrying Case
3. Strap (+2 Buckles)
4. AC Power Adapter
5. USB/Charging Cable
6. Quick Start Guide
7. Stylus



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1005-0400-0000 Rev: C

GETTING STARTED



Press the **Power Button** for 1 second to turn on the SignalScout. The **HOME** Screen is displayed.

ATSC button is displayed to select **LEVEL**, **SCAN**, or **SNR**. Select **ATSC** to go to the **CATV** mode with **LEVEL**, **SCAN**, and **NOISE**.

Select **SETUP** to display the **MAIN SETUP** Screen.

SETUP



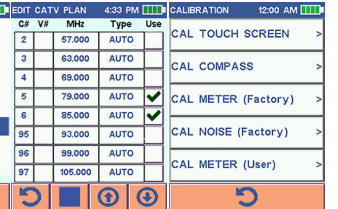
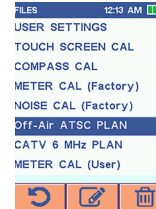
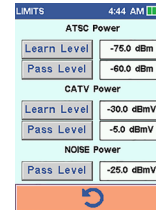
SETTINGS allows the **TIME/DATE**, **SPEAKER VOLUME**, **AUTO POWER OFF** and **AUTO GAIN CONTROL** to be changed. Select the **RETURN** button to go back to the **MAIN SETUP** screen.

LIMITS changes the limit levels for **ATSC**, **CATV** and **NOISE** Power which will be used on the testing screens.

FILE EXPLORER brings up a list of files that can be edited or deleted. Both **Channel Plans** (**ATSC** & **CATV**) can be customized. See the user manual **BEFORE** deleting one of the **CALIBRATION (CAL)** files.

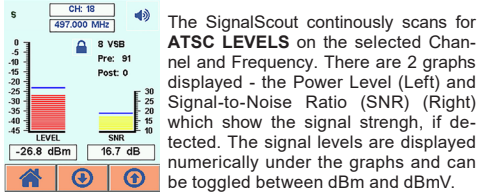
CALIBRATION calibrates the **TOUCHSCREEN**, **COMPASS**, and **METER (User)**. **METER (User)** allows user calibration but **METER/NOISE (Factory)** cannot be changed.

FIRMWARE shows version and allows for new updates. Select the **HOME** button to go back to the **HOME** Screen.



ATSC LEVEL

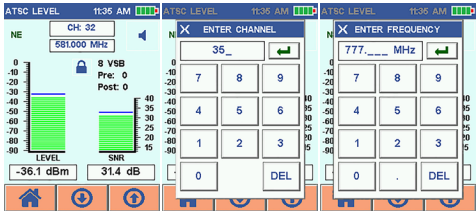
ATSC LEVEL 11:49 AM Press LEVEL from the HOME Screen.



The SignalScout continuously scans for **ATSC LEVELS** on the selected Channel and Frequency. There are 2 graphs displayed - the Power Level (Left) and Signal-to-Noise Ratio (SNR) (Right) which show the signal strength, if detected. The signal levels are displayed numerically under the graphs and can be toggled between dBm and dBmV.

PRE errors are coding errors in the data that are automatically corrected by a TV's error correction algorithm. **POST** errors cannot be corrected and cause picture problems. The **8 VSB** encoding format is displayed.

Select the **UP** and **DOWN ARROW** buttons to change the Channel and Frequency or select the white **CHANNEL** or **FREQUENCY** box to enter a specific number. Select the **GREEN ARROW** button to enter a specific number or select the "X" to cancel and go back to the **ATSC LEVEL** Screen without saving the entered data.

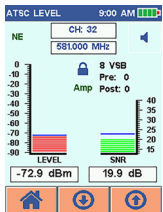


Select the **SPEAKER** icon to enable an audible tone that is proportional to the received signal strength. (No tone below -79 dBm)

The built-in **COMPASS** gives a direction for aiming the antenna.

When the **LOCK** icon is shown as locked and blue, the channel is locked and being measured.

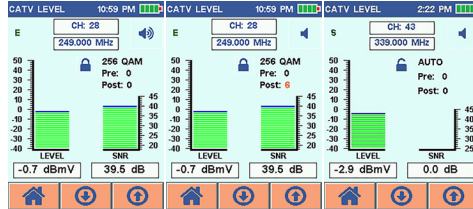
If **AMP** is displayed below the **LOCK** icon, then the SignalScout is using an internal amplifier to boost the signal and the system may require an amplifier for channel reception.



CATV LEVEL

Press **ATSC** from the **HOME** Screen to change to **CATV**.

Select the **LEVEL** button to display the **CATV** Signal Level and SNR. This screen setup is identical to the **ATSC LEVEL** Screen. The **QAM** encoding level is displayed. The SignalScout is 64/256 QAM compliant and DOCSIS 3.1 (OFDM) signal level compatible.



SCAN

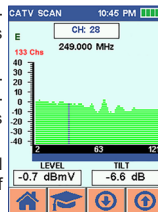
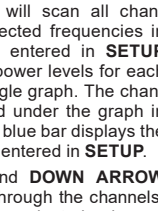
Select **SCAN** from the **HOME** Screen in **ATSC** mode.

The SignalScout will scan all channels from the selected frequencies in the channel plan entered in **SETUP** and displays the power levels for each frequency in a single graph. The channels are displayed under the graph in the black bar. The blue bar displays the virtual channels if entered in **SETUP**.

Select the **UP** and **DOWN ARROW** buttons to scroll through the channels/frequencies. The selected channel **POWER LEVEL (dBm)** will be displayed as a blue column with the measured level shown below the graph. The **TOTAL POWER (dBm)** is the sum of the power levels of all detected channels and is used to optimize antenna alignment when multiple channels are present.

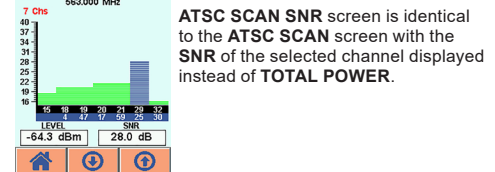
TILT is displayed for **CATV SCAN** instead of **TOTAL POWER**. **TILT** is calculated as the last channel power minus the first channel power.

Select the **LEARN** button to scan all channels and display the number of channels detected.



ATSC SCAN SNR

ATSC SCAN SNR 12:15 AM Press **SNR** from the **HOME** Screen in the **ATSC** mode.



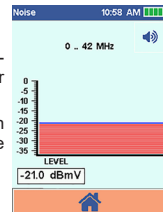
ATSC SCAN SNR screen is identical to the **ATSC SCAN** screen with the **SNR** of the selected channel displayed instead of **TOTAL POWER**.

NOISE

Press **NOISE** from the **HOME** Screen in the **CATV** mode.

The **NOISE** Power Level graph is displayed with the power level number shown below the graph.

Select the **SPEAKER** icon to enable an audible tone that is proportional to the noise strength.



WARRANTY/SERVICE OPTIONS

Pisber Data Systems Inc. warrants that the product shall be free from defects in parts or workmanship for a period of 12 months from the date of purchase if used in accordance with Pisber Data Systems Inc. operating specifications.

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Should any parts or workmanship prove defective, Pisber Data Systems Inc. will repair or replace at Pisber's discretion, with no cost to the Buyer except for shipping costs from the Buyer's location to Pisber's location. This is the Buyer's **SOLE AND EXCLUSIVE REMEDY** under this agreement. This warranty does not apply to products which have been subject to neglect, accident or improper use, or to units which have been altered or repaired by other than an authorized repair facility.

Return of Equipment - Return of product to Pisber Data Systems Inc. requires a Return Merchandise Authorization (RMA). To obtain an RMA, contact us at 619-287-9970 (8am to 5pm PST) or email support@pisber.com. The RMA# must be clearly marked on the shipping label or package. See sample label:

To: Pisber Data Systems Inc.
RMA# XXXXXXXX
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