

# LF 943D

LEADER



## Signal Level Meter for VHF, UHF, and CATV (upstream link, downstream link)

The Model LF 943D Signal Level Meter is designed to quickly and accurately measure CATV and VHF/UHF TV signals. This model is also applicable to the Terrestrial digital broadcast system as well as a conventional analog broadcast system. Since up to ten arbitrary frequencies can be stored, various signals (e.g., CATV pilot signal, FM broadcast signal) can be measured. The level can be read on the large digital display. The antenna direction can easily be adjusted by using the bar graph display.

### FEATURES

- The CATV upstream link signal can be measured since the measurement frequency is settable from 5 MHz.
- This level meter can measure levels of digital and analog VHF/UHF TV and CATV signals.
- Memory function can store up to ten arbitrary frequencies.
- Compact, lightweight (1.3 kg), and simple operation ideal for field use.
- Digital level readout for easy and accurate measurements.
- Sound carrier level can also be measured.
- The original bar graph displays level variation.
- Time settable automatic power-off function prevents useless battery power consumption.
- Built-in eight channel tables for worldwide use.

### LF 943D SPECIFICATIONS

<b>Frequency Range</b>	5 to 870 MHz (50 kHz steps)
<b>Frequency Setting</b>	Settable in 50 kHz steps (The frequency of memory channels can only be set.)
<b>Built-In Channel Table</b>	Japan, USA (corresponding to each CATV channel of STD, HRC, IRC), ITU-R (CCIR), China, UK, HongKong area, Indonesia, Australia
<b>Level Measurement Broadcast Format</b>	AM (video), FM (sound), CW
<b>Resolution</b>	1 dB
<b>Digital system</b>	8VSB, OFDM, MSK, BPSK, QPSK, 16 to 256 QAM (CATV)
<b>Measurement Range</b>	Five points in the channel bandwidth
<b>Analog</b>	30 to 110 dB $\mu$ V (-30 to 50 dBmV) (1 dB steps)
<b>Digital</b>	45 to 100 dB $\mu$ V (-15 to 40 dBmV) (1 dB steps)
<b>Accuracy</b>	$\pm 3$ dB
<b>Analog</b>	$\pm 3$ dB (Frequency response of channel bandwidth should be flat.)
<b>Digital</b>	dB $\mu$ V, dBmV, selectable
<b>Level Unit</b>	
<b>Display LCD Panel</b>	Display area: 30 x 70 mm
<b>Monitor Output</b>	FM detection (sound frequency) AM detection (video frequency)
<b>Output Connector</b>	3.5 $\phi$ , monaural jack (for earphone)
<b>Memory</b>	
<b>Number Of Channels</b>	Up to 10 channels
<b>Storable Item</b>	Frequency, Modulation type (analog or digital)
<b>Power Supply</b>	6 C cells Power consumption: Up to 2.5 W
<b>Other Functions</b>	
<b>Automatic Power-off</b>	5, 10, 20, 60 minutes, continuous
<b>Environmental Conditions</b>	
<b>Operating Temperature</b>	0 to 40°C
<b>Operating Humidity</b>	$\pm 85\%$ RH (without condensation)
<b>Storage Temperature</b>	-10 to 50°C
<b>Operating Environment</b>	Indoor/outdoor use (no rain water)
<b>Dimensions</b>	180(W) x 68(H) x 200(D)mm, 7 x 2 3/4 x 7 7/8 in.
<b>Weight</b>	850 g (excluding battery), 1.9 lbs.
<b>Supplied Accessories</b>	Carrying Case ..... 1 Name Plate ..... 1 C cell ..... 6 Instruction Manual ..... 1

# LF 941D

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## Signal Level Meter for VHF, UHF, and CATV Low-Cost Model

The Model LF 941D TV Signal Level Meter enables speedy and accurate measurement of VHF/UHF TV and CATV signals. This level meter can measure levels of digital broadcast signals as well as conventional analog broadcast signals. Since ten programmable channels are provided to store arbitrary frequencies, a pilot signal, FM broadcast signals, and frequently used frequencies can be stored.

### FEATURES

- This level meter can measure levels of digital and analog VHF/UHF TV and CATV signals.
- Ten programmable channels are provided to store arbitrary frequencies.
- Compact, lightweight (1.3 kg), and simple operation ideal for field use.
- Digital level readout for easy and accurate measurements.
- Sound carrier level can also be measured.
- Continuous 12-hour operation with six Alkaline C cells.
- Time settable automatic power-off function prevents useless battery power consumption.
- Built-in eight channel tables for worldwide use.

### LF 941D SPECIFICATIONS

<b>Frequency Range</b>	46 to 870 MHz (0.05 MHz steps)*
<b>Frequency Setting</b>	Settable in 50 kHz steps (The frequency of memory channels can only be set.)
<b>Built-In Channel Table</b>	Japan, USA (corresponding to each CATV channel of STD, HRC, IRC), ITU-R (CCIR), China, UK, HongKong area, Indonesia, Australia
<b>Level Measurement Broadcast Format</b>	AM (video), FM (sound), CW
<b>Resolution</b>	1 dB
<b>Digital system</b>	MSK, BPSK, QPSK, 16 to 256 QAM, OFDM, 8VSB
<b>Measurement Range</b>	
<b>Analog</b>	30 to 110 dB $\mu$ V (-30 to 50 dBmV) (1 dB steps)
<b>Digital</b>	45 to 100 dB $\mu$ V (-15 to 40 dBmV) (1 dB steps)
<b>Accuracy</b>	$\pm 3$ dB
<b>Analog</b>	$\pm 3$ dB (Frequency response of channel bandwidth should be flat.)
<b>Digital</b>	
<b>Level Unit</b>	
<b>Display LCD panel</b>	Display area: 30 x 70 mm
<b>Monitor Output</b>	FM detection (sound frequency) AM detection (video frequency)
<b>Output Connector</b>	3.5 $\phi$ , monaural jack (for earphone)
<b>Memory</b>	
<b>Number Of Channels</b>	Up to 10 channels
<b>Storable Item</b>	Frequency, Modulation type (analog or digital)
<b>Power Supply</b>	6 C cells Power consumption: Up to 2.5 W
<b>Other Functions</b>	
<b>Automatic power-off</b>	5, 10, 20, 60 minutes, continuous
<b>Environmental Conditions</b>	
<b>Operating Temperature</b>	0 to 40°C
<b>Operating Humidity</b>	$\pm 85\%$ RH (without condensation)
<b>Storage Temperature</b>	-10 to 50°C
<b>Operating Environment</b>	Indoor/outdoor use (no rain water)
<b>Dimensions</b>	180(W) x 68(H) x 200(D)mm, 7 x 2 3/4 x 7 7/8 in.
<b>Weight</b>	850 g (excluding battery), 1.9 lbs.
<b>Supplied Accessories</b>	Carrying Case ..... 1 Name Plate ..... 1 C cell ..... 6 Instruction Manual ..... 1

\* Could not operate 47.8 to 48.2 MHz and 95.8 to 96.2 MHz.