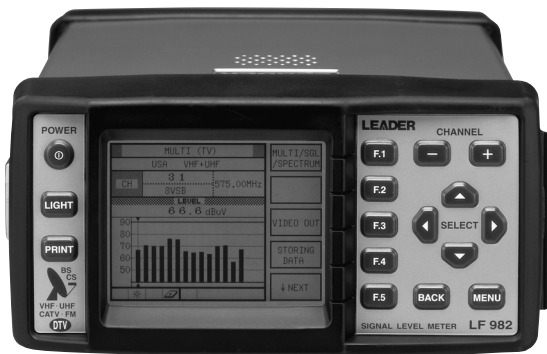


SIGNAL LEVEL METER



LF 982

The LF 982 combines in a single portable package the means to measure signal levels for VHF/UHF/FM broadcast, digital (8VSB, OFDM and QAM 16, 32, 64, 256) broadcast and (QPSK, 8PSK, BPSK) for satellite operations. Features include storage of 200 measurement setups and 200 sets of data. A built-in speaker and line output allows audio monitoring and

a video-out jack provides drive to a picture monitor. Reception conditions are further verified with a basic spectrum display. For satellite reception, a C/N measurement is provided. Power is from a built-in rechargeable battery and a power-off feature conserves operating time.

- 46-870 MHz Frequency Coverage
- 950-2150 MHz Satellite IF Coverage
- Extensive Worldwide Channel Assignments
- Level Readings for Conventional and Digital Broadcast
- Basic Spectrum Display Aids in Assessing Reception Conditions
- DC Output for LNB Power/Control

KEY SPECIFICATIONS

MEASURING FREQUENCY RANGE

VHF/UHF/Cable

46 to 870 MHz

Satellite

950 to 2,150 MHz

Frequency Setting Resolution

VHF/UHF/Cable

50 kHz steps

Satellite

1 MHz steps

Built-In Channel Table

Terrestrial TV/CATV

USA, JERROLD, CCIR, OIRT, CHINA, AUSTRALIA, INDONESIA, ITALY, IRELAND, FRANCE, SOUTH AFRICA, UNITED KINGDOM, HONG KONG, ANGOLA, IVORY COAST, MOROCCO, JAPAN, NEW ZEALAND, HOLLAND CATV, PHILIPS-CATV, SIEMENS-CATV

Satellite

ASIA-SAT, USA-DBS, USA C-BAND, EUROPE DBS, DFS-11, DFS-12, TELECOM-1C, ASTRA-1, ASTRA-1 UNIVERSAL, KOREA-BS

LEVEL MEASUREMENT

Modulation Type

VHF/UHF/Cable

Analog (AM) Digital (OFDM, 8 VSB, 16 QAM, 32 QAM, 64 QAM, 256 QAM)

Satellite

Analog (FM) Digital (BPSK, QPSK, 8PSK)

Range

VHF/UHF/Cable

Analog

30 to 120 dB μ V (-30 to 60 dBmV)

Digital

45 to 120 dB μ V (-15 to 60 dBmV)

Satellite

45 to 100 dB μ V (-15 to 40 dBmV)

Resolution

0.1 dB

Accuracy

Analog

± 2 dB (20 to 30°C), ± 3 dB (0 to 40°C)

Digital

± 3 dB (20 to 30°C), ± 4 dB (0 to 40°C), precise measurement mode

Bandwidth

VHF/UHF Cable

280 kHz (typ.)

Satellite

27 MHz (typ.)

Detection Method

VHF/UHF/Cable

Peak-value detection (analog). Average-value detection (digital and analog sound)

Satellite

Average-value detection

C/N MEASUREMENT

Range

5 to 25 dB (satellite only) (signal level \geq 65 dB μ V)

Resolution

0.1 dB

Accuracy

± 2 dB (20 to 30°C)

RF INPUTS

Connector Type

F type, receptacle user replaceable

Input Impedance

75 Ω

DC OUTPUT

Output Voltage

+ 11 to +18 V (satellite only)

Setting

1V steps

Voltage Accuracy

$\pm 10\%$

Output Current

Max. 250 mV

Overcurrent Protection

Operating current 275 \pm 20 mA

SUPERIMPOSED

AC Voltage

5 to 100 V rms (50 to 60 Hz)

Voltage Measurement

DC Voltage

5 to 50 V

Resolution

0.1 V

Accuracy

$\pm 5\%$

VIDEO OUTPUT

Connector

Pin jack

Output Impedance

75 Ω

Output Signal

Composite video

Output Level

1V p-p

Applicable Format

Analog broadcast (except for scrambled programs)

SOUND OUTPUT

Connector

Pin jack (line out)

3.5 \emptyset mini-jack (for earphone)

Speaker

Built in

Applicable Format

AM (VHF/UHF/Cable Band) or FM modulation

PROGRAM MEMORY

Number of Storable Items

200 max.

Contents Stored

Measurement screen setting conditions

SIGNAL LEVEL METER

KEY SPECIFICATIONS (LF 982)

DATA MEMORY

Number of Storable Items

200 max.

Contents Stored

Level measured, data/time by channel

Memory Card Slot

Applicable Card

CFA Type I or Type II compact flash card

Function

Store measurement data and screen settings

RS-232C, I/O

Connector

9-pin D sub connector

Function

Print output, data output, remote control

DISPLAYS

Display Element

Dot matrix LCD, 320 x 240 dots, semitransparent

Backlight

EL

ENVIRONMENTAL

Operating Temperature

0 to 40°C

Operating Humidity

30 to 85% RH (without condensation)

Storage Temperature

-10 to 50°C

POWER REQUIREMENTS

4 W (normal operation)

9 W (max. powering LNB)

Recharge Time

Max. 10 hr

Residual Discharge

4.5 hr

Charging

5.5 hr

Charging function is only for dedicated battery pack

Automatic Power Off

Time Settings

5, 10, 20, 60 minutes, continuous. Turns power off when preset time elapses after last key operation.

PHYSICAL

Size (W x H x D)

8¹/₄ x 3⁷/₈ x 8¹/₄

199 x 99 x 210 mm

Weight

4.4 lbs., 2.2 kg (including rechargeable battery pack)

SUPPLIED ACCESSORIES

Rechargeable Battery Pack

Battery Case (for Six "C" Cells)

AC Adapter

Shoulder Strap