33 -2 05 5

OWNER'S MANUAL

Please read before using this equipment.

FEATURES

Your new Radio Shack Digital Sound Level Meter precisely measures area noise and other sound level. The meter's digital design and special measuring features, such as the bargraph and data hold, ensure pinpoint accuracy for checking any acoustic environment.
The meter is lightweight and easy to operate.

1 Your meter also has these features:)

CONTENTS INSTALLING THE BATTERY

Installing the Battery 5
Making Measurements 7
Setting the Sound Range 7
Setting the Weighting 8
Setting the Response 9
Making Normal Measurements .... 10 Making Maximum Measurements .... 11 Level Indications .... 12 U nderrange Indication .... 13 Overrange Indication 13

....

r

MAKING MEASUREMENTS

4. Replace the battery compartment cover.

Notes:

When you are not using the meter, set RANGE
to OFF.

If you will not use the meter for a week or or

SETTING THE WEIGHTING

The WEIGHTING button lets you set the meter's weighting characteristics, which determine the meter's frequency response curve. You can select A-weighting or C-weighting.

A-weighting has A-curve frequency characteris-tics. This setting causes the meter to respond mainly to frequencies in the 500-to-10,000 Hz range, which is the human ear's most sensitive range. Select A-weighting to determine an area's noise-level. Take measurements at several diffe-
rent points in the area.

C-weighting has C-curve (flat) frequency charac-teristics. This setting causes the meter to respond mainly to frequencies in the 32-to-10,000 Hz range. Select C-weighting to measure sound le-

vels of musical material. I
1 When you set RANGE to OFF, the meter automati-
cally selects C-weighting.

Press WEIGHTING to change the weighting between A and C.

DH RESET MIN MAX (o r r 01
WEIGHTING RESPONSE

(LJ 0 1

The display shows the current setting (WEIGHTING A or WEIGHTING C).

Note: You can change the weighting setting only during a continuous average or maximum mea-surement.

SETTING THE RESPONSE

The RESPONSE button lets you set the interval at which the meter revises the bargraph sound level reading. There are two settings - fast and slow.

When you set RANGE to OFF, the meter automati- ' cally sets the response for fast.
At the fast setting, the meter revises the bargraph reading after about 0.2 second. At the slow set-ting, the meter revises the reading after about every 0.5 second.

Press RESPONSE to change the bargraph's response between fast and slow.

The display shows the selected setting (RESPONSE SLOW Or RESPONSE PAST).

Note: You can change the response setting only during a continuous average or maximum mea-surement.

MAKING NORMAL

MEASUREMENTS

Follow these steps to measure the average sound level.

1. Set RANGE for the desired sound range. If : you do not know the sound level, start at the highest range setting (120) and reduce the setting until you get a reading. (See "Setting
the sound ~an~e%nd "Level Indications.")

/ m

2. Set the weighting and response. (See "Setting the Weighting" and "Setting the Response.")
3. Face the sound source. Then hold the meter to one side and point its microphone at the sound source.

sound Source 0.

SW"0 LtVIL YITIR

Sound Level Meter

- - - -

The meter begins to display the continuous average sound level. This is the average sound level during a 1-second sampling period, which the meter updates once per se-cond. The bargraph shows the continuous average for either a 0.2-second or 0.5-second period, depending on the response setting.

4. When you complete a measurement, set RANGE to OFF.

Press MAX again to cancel the continuous maxi-mum measurement and resume a normal continu-ous average measurement.

LEVEL INDICATIONS

The meter displays the sound level using num-bers and a bargraph. The numbers show the sound level in dB within *I0 dB of the

2. Repeatedly press, or press and hold down, MAX or MIN to set the desired measuring period from 1 to 199 seconds.

DH RESET MIN MAX

3. Position the meter for the measurement.

4. Press RESET to start the monitoring.

The meter measures the integrated average, maximum, and minimum sound levels for the set time. The meter updates the current integrated average display every second and MIN and MAX flash until the set time ends.

When the set time ends, DH appears, and MIN and MAX continue to flash. The meter displays the total integrated average sound level.

Press MAX to display the maximum sound level for the set time. Press MAX again to return to the total integrated average sound level.

Press MIN to display the minimum sound level for the set time. Press MIN again to return to the total integrated average sound level.

Press RESET after you check the integrated ave-rage sound level and the maximum or minimum sound level. The meter resumes a continuous average measurement.

Note: If you change the RANGE setting during an integrated measurement, you clear any stored data and a normal continuous average measure-ment resumes. You must repeat the procedure for making an integrated average measurement.

MAKING MAXIMUM AND MINIMUM

MEASUREMENT DURING AN UNDETERMINED

TO display the maximum sound level during the CALIBRATING THE METER
time period, press MAX if both MIN and MAX flash

on the display and the last average sound level The recessed calibration control (labelled CAL on

CARE AND MAINTENANCE

Your Radio Shack Digital Sound Level Meter is an example of superior design and craftsmanship. The following suggestions will help you care for the meter so you can enjoy it for years.
Keep the meter dry. If it gets wet, wipe it off immediately. Liquids might contain minerals
that can corrode the electronic circuits.

Use and store the meter only in normal tem-

perature environments. Temperature extremes . can shorten the life of electronic devices and
distort or melt plastic parts.
Handle the meter gently and carefully. Drop-

InterTAN WARRANTY

InterTAN warrants that this product will be free from defects in materials and workmanship for a period of ninety (90) days from the date of purchase. Within this period, simply take the product and your proof of purchase to any InterTAN store or dealer and the product will be repaired without charge for parts and labour. InterTAN reserves the right to charge fortransportation. Any product which has been subject to misuse or accidental damage is excluded from this warranty.
This warranty is only applicable to a product purchased through InterTAN's company owned stores and dealers and to a product that is presented for repair a]>>BDC BT

this
throunty