

SoundPatrol™ DP 1200/2200



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Instructions for Using the SoundPatrol™ DP 1200/2200 with the 057-257 Printer (FTP628)

Scope: Covers the added features for SoundPatrol™ functions. For other basic operating instructions, use this in combination with the Quest 056-653 1200/2200 manual.

The 1200/2200 Sound level meter has been modified to produce three different printouts on a small thermal printer. Please Note: the AC/DC out functions of the connector have been disabled, and the connector is now used as the serial output for the printer. Before using the printer for the first time, set the dip switches using the dip switch settings listed at the end of these instructions.

Step 1: Connect the cable. The cable, 057-247, is provided with the unit and printer. The 3.5 mm connector is fully inserted into the receptacle at the bottom of the SoundPatrol™. Insert the flat-style connector into the side of the thermal printer. Note that it fits only one way and the latch release will be towards the backside of the printer. The latch helps to secure the connector.

Step 2: Turn "ON" the printer and the SoundPatrol™. The printer is turned "ON" by depressing and holding the power button for about 1 second. A green LED blinks when the printer is ready. Moving the center switch from the "OFF" to the "PAUSE" or "RUN" position turns ON the SoundPatrol™.

Step 3: RESETTING the SoundPatrol™. Between measurements, you must always remember to push and hold the RESET button (for more than 3 seconds), to clear out the previous integrating measurement values. NOTE: The LEQ measurement is also automatically reset whenever the RANGE, WEIGHTING, or RESPONSE switches are changed.

Step 4: (Suggested, Once daily) Calibration Report. Turn on the Calibrator. Position the calibrator and adapter over the microphone. Depress the "CAL" button on the SoundPatrol™. When the calibration has successfully completed, a complete calibration report will be printed. If there is a calibration failure, a partial report will appear, with a "NOCAL" error printed at the end. Refer to the Quest 056-653 manual for more specific calibration and setup instructions.

Sample report

Quest SoundPatrol DP 3.3	(Heading & Version)
1200 s/n: SPE052134	(Model & Serial Number)
TResponse = FAST	(RESPONSE Setting)
TODAY'S CALIBRATION:	(Values with
"WEIGHTING")	
old SPL = 114.2 dBA	(old reading with
calibrator)	
Ref Level = 114.0 dBA	(Calibration set point)
new SPL = 114.0 dBA	(new reading after cal)
Date: _____	
Time: _____	
Location: _____	
By: _____	

Step 5: Collect the "integrating" measurement. Select settings to match your local enforcement rules. Typical settings will probably be 3 dB Exchange rate, 50-120 dB, Slow, A-weighted LEQ. The enforcement report is designed to show SPLmax, SPLmin, and either Lavg or Leq. These readings are generated ONLY after the unit has been placed into the "RUN" mode for at least one second. When the noise of interest is the appropriate distance from the meter, move the center switch to the "RUN" position. Allow the LEQ reading to stabilize, and then move the switch back to the "PAUSE" position.

Step 6: (Optional) Print the Enforcement Report. Depress the "PRINT/RESET" button down for about 1 second. When you release it, the printer will print the enforcement report. When the report is finished (in a few seconds), you may print more copies by pressing the "PRINT/RESET" button again for about 1 second.

Sample report

Quest SoundPatrol DP 3.3	(Heading & Version)
1200 s/n: SPE052134	(Model & Serial Number)
TResponse = FAST	(RESPONSE Setting)
SPLmax = 90.8 dBA	(SPLmax Measurement
	with WEIGHTING)
Lavg er5 = 65.2 dBA	("Lavg er5" or LEQ with
	WEIGHTING)
SPLmin = 43.9 dBA	
Runtime = 10 Sec.	
Date: _____	
Time: _____	
Location: _____	
By: _____	

Step 7: (Optional) Print “Continuous” Report. When the unit is in “RUN” you can depress the “PRINT/RESET” button down for about 1 second. When you release it, the printer will print the “Continuous” report. Each second, a new line will be printed. The printout ends when the switch is moved from “RUN” to “PAUSE”.

Sample report

```
TResponse = FAST      (The header shows the Settings)
time, SPL, Lavg, ER=x, Weight=A
10, 42.1, 43.3, (Seconds, 1 Second SPL, & Lavg)
11, 42.1, 43.2,      (...)
12, 42.3, 43.1,
13, 42.1, 43.0,
14, 42.0, 42.9,
15, 42.2, 42.9,
16, 57.0, 43.5,
17, 47.2, 43.5,
Quest SoundPatrol DP 3.3
1200 s/n: SPE052134
TResponse = FAST
  SPLmax = 58.6 dBA
  Lavg er5 = 43.9 dBA
  SPLmin = 41.1 dBA
  Runtime = 19 Sec.
Date: _____
Time: _____
Location: _____
By: _____
```

Step 8: Turn “OFF” the printer and the SoundPatrol™. Depressing and holding the power button for about 3 seconds turns “OFF” the printer. The Green LED will turn off when the printer is OFF. Moving the center switch to the “OFF” position turns OFF The SoundPatrol™.

Step 9: Removing the cable. For your convenience, the 3.5 mm connector at the bottom of the SoundPatrol™ may be unplugged or re-plugged at any time. The Flat-style connector on the side of the thermal printer has a latch release that much be pushed to release the connector. Put your thumb on the backside of the printer connector. Depress the release latch and pull straight out.

Replacement Parts:

- 057-257 Serial Thermal Printer FTP628WSL
- 057-258 (5-pack) Thermal Paper 58mm x 36mm x 15m.
- 057-247 Sound Patrol/Fujitsu Serial Printer Cable 1m

Dip Switch Settings for the FTP628WSL Printer:

Dip Switch	Function	Switch Setting
1	Interface Selection	SW 1
	RS-232C Interface	On

