



**Ultrasound
Solutions**

DC.R179.SDT270.SPEC --01—SDT270 technical specifications

01	JPE 2015/03/19	Original version	AD
Ver.	Author	Nature of modification	Approved

Function	Multifunction detector
Display	Graphic LCD with backlighting (128 x 64)
Keyboard	12 function keys
Built-in sensors	Ultrasonic sensor Infrared temperature sensor (according to the version) Tachometer (according to the version)
External sensors	2 channels through specific connector (Lemo 7 pin connector)
Response time	< 10 ms
US measuring range	-13 to + 99.9 dB μ V (reference 0 dB = 1 μ V)
Frequency range	10 Hz to 120 KHz by 1 kHz step
Indicators	RMS, Max sub RMS, peak and crest factor
Data Logger	For SDT270SD & DD with DataDump Application: - 100 Measurement Nodes (measurement points) - Total 4000 Measurements (measurements data) For SDT270DU & DU versions used in combination with Ultranalysis Suite : - 10000+ measurement nodes with static data - Dynamic measurements: 13 minutes, for example 260 recordings of 3 seconds
Communication	USB interface
Software's for transferring data from the device to the PC	DataDump Application (versions SD & DD) Ultranalysis Suite (versions SU & DU)
Battery pack (*)	Rechargeable battery type: 8 cell, 4.8 V, 4400 mAh, NiMH (Nickel Metal Hydride)
Auto power down	Auto power down after preset time
Operating temperature	-15 °C to +60 °C / 14 °F to 140 °F non condensing
Housing	Extruded aluminum
Weight	830 g / 29.3 oz. (with battery and holster included)
Dimensions	226 x 90 x 40 mm / 8.90 x 3.54 x 1.57 inches (L x W x H)
Holster	Fluor silicone resistant to hydrocarbons
Headphones	Quality noise isolating headphones (NRR 25 dB)

(*) for optimum performance, this battery pack is equipped with an electronic management system (includes digital serial number, capacity and temperature management).