

Debris Monitor 4 Specification Data Sheet

Part No.	535100.00
Dimensions	250mmx290mmx110mm
Weight	4.1kgs
Power Mains	100-240VAC 3.0A ~50-60 Hz
Power DC	24- 34VDC
Power Battery	12VDC 2600mAh
Battery Part No.	535075.00
Battery Type	Pack with NTC thermistor (10xAA Ni-MH)
Battery Charger Type	- ΔV and $\Delta T/\Delta t$ Charge Termination
Battery Charge Cycle	4Hrs Max
Battery Discharge	10 Hrs
Power On/Off	Toggle Switch
LED Indicators	AC, Battery Charge/Fault, Read and High Range
Data Input	Alpha/Numeric 4x4 keypad
Data Display	4x20 LCD with backlight
Display Resolution	Low range 0.1 DTU (0.1-80 DTU) High range 1.0 DTU (1-999 DTU)
Data Storage	100 records (3000 readings)
Data Output	RS 232 port
Measuring Technique	Balanced coil assembly with auto null
Ferrous Mass Range	<0.01 mg to 32 mg
Sample Data Presentation	Peak debris reading Real time debris reading
Measurement Accuracy	+/- 0.3 DTU's or 3 % of standard (whichever is greater).
Measurement Repeatability	+/- 0.3 DTU's or 3 % (whichever is greater).
Operating Temperature	-5 °C to + 40°C
Storage Temperature	-26°C to + 70°C
Humidity Operation	10% to 95%
Protective Case	High Impact Structural Copolymer Dimensions (mm): 486 x 392 x 192 Watertight, airtight, and chemical resistant.
Conformance Standards:	
EMC	EN50081 Part 1 EN50082 Part 1 IEC801 BS 3G-10