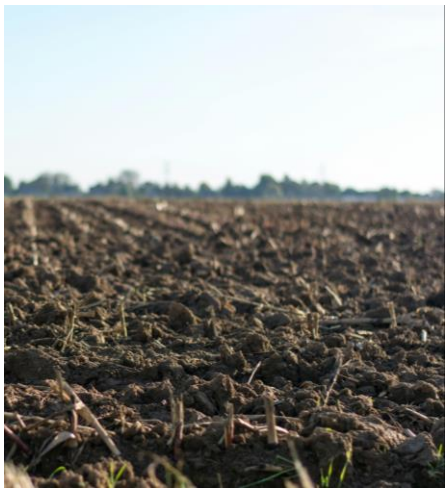
Model MS-350 Radiometric Sensor



Features

- Easy to integrate under a drone
- Ultra rugged 350 ml Csl scintillator crystal
- Optimized for ease of use
- Integrated data storage and processing
- Life-long feature updates

Key Applications

- Drone-borne measurements
- Handheld soil scanning
- NORM characterization
- Contamination mapping

MS-350
Radiometric Sensor

ABOUT

The MS-350 by Medusa Radiometrics is the optimal survey meter for both hand-held and drone-borne operations with its light weight of only 6.0 lbs. The MS-350 utilizes the Medusa Detector Operating System (mDOS) that keeps in-the-field usage simple, whether utilizing it for hand-held contamination mapping, locating a lost source with a UAV, or doing an airborne survey.

The typical mapping speed of the MS-350 is up to 15 km/h, with a recording frequency up to 5 hz. It contains an ultra-rugged 350 ml CsI scintillation crystal, is optimized for ease of use, has integrated data storage and processing, and includes life-long feature updates.

SPECIFICATIONS

Gamma-Ray Spectrometer	
Scintillation crystal	3x3'' (350 ml) CsI
Typical mapping speed	Up to 15 km/h
Recording frequency	Up to 5 hz
Radionuclide analysis	^{40}K, ^{238}U, ^{232}Th and ^{137}Cs
Electrical	
Input voltage	5 – 35 V
Power consumption	3 W (average), 6 W (max)
Battery	Up to 8 hours
GPS	
Type	uBlox ZED-F9P
Accuracy	1.5 m CEP
RTK accuracy	<1 cm
Signals	GLONASS, BeiDou, Galileo
Mechanical	
Dimension	100 (Ø) x 215 (L) mm
Weight	6.0 lbs
Operating Temperature	-20 to +65 °C
IP rating	IP65
Connectivity	
Wi-Fi	2.4 and 5 Ghz
Ethernet	100 Mbps
Port	RS-232
Data	
Format	JSON, NMEA, CSV
Streaming	RS-232, ethernet and Wi-Fi
Sensors	Spectrometer, GPS, PTH
Internal storage	16 GB, 500 hours of data
Included software	
Onboard-processing (by mDOS)	Real-time analysis Survey planner Real-time radionuclide inspection Sample measurements

Post-processing (by GammAn)	Full spectrum analysis (FSA) Window analysis (WA)
Support	
Online support	Extensive library of support guides
Custom support	Optional

DOCUMENT HISTORY

Version	Date	Author	Notes
V1.0	10/10/24	AT	New product initiation

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