MEDUSA RADIOMETRICS GAMMA-RAY SENSOR

SKU: MED-MS100



The Medusa Radiometrics MS-100 SUB underwater gamma-ray counter is a CsI-crystal-based gamma-ray detector system intended for deep-water use, for instance in pipeline inspection applications in which a radioactive source is placed on one side of a pipe and the sensor on the other side. The radiation seen by the sensor is a measure for e.g. the filling of the pipe. Other applications are of course also possible.

Supplier: Medusa Radiometrics

TECHNICAL SPECIFICATIONS

Compatibility

Compatible ROV models	X3, X3 Ultra, X7

Mechanical Specifications

Size	272 mm length x 102 mm OD
Weight in air	1864 g
Weight in water	about 46 g
Depth rating	250 m

Radiation Sensor

Sensor type	Ultra-rugged 2x2 inch CsI crystal
Readout type	4096 channel fully digital multichannel analyzer
Data access	Embedded processing/viewing/storage of data via medusa Detector Operating System (mDOS)
Readout frequency	5 Hz

System Data

Power Input	6.5-40 V (35 mA at 12 V)

Connectivity	Ethernet