

# 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

### Mechanical Specifications

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

### Radiation Sensor

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

### System Data

<b>Power Input</b>	6.5–40 V (35 mA at 12 V)
<b>Connectivity</b>	Ethernet