

Iris™

Ultra Rugged Gamma Module

Iris is Rime's integrated gamma module that provides survivability and operational capability in the most challenging drilling applications. Compatible with industry standard gamma modules and can be used in many MWD systems seamlessly with customizations supported upon request.

Iris also has built in environmental monitoring and memory logging capabilities including the ability to store gamma ray counts, shock and vibration data, and multiple system voltages and temperature onto the on board non-volatile memory for post-run analysis.

Features:

- High quality sodium iodide (NaI) crystal scintillator
- Ruggedized high temperature rated photomultiplier tube (PMT)
- Rime's gamma controller board
- Proprietary full envelope radial, axial and torsional shock isolation system
- Internally incorporated pass-through wires
- Integrated with Rime's Pulser Interface Box



Benefits:

- Protection against damage caused by high shock and vibration
- Digital thermal calibration of the gamma output

Specifications

Nominal length	16.475" (418.47 mm)
Makeup length	15.575" (395.61 mm)
Chassis o.d.	1.450" (36.83 mm)
Recommended housing i.d.	1.500" +0.010"/-0.000" (38.10mm +0.254mm/-0.000mm)
Scintillator dimensions	0.75" x 5.00" (19.05mm x 127 mm)
Operating voltage range	20-30VDC
Power consumption	15mA @ 28v @30°C
Operating temperature	32° to 347°F (0° to 175°C)
Shock rating	1000g, 0.5ms, ½ sine, 10 times, all three axes
Vibration rating	5-30Hz@1in double amplitude, 30-500Hz 20grms all axes
Memory	8MB non volatile memory with event and statistical data logging
Up hole electrical interface	15 pos panel mount pin plug connector, floating (mdm-15ph-003f or equivalent)
Downhole electrical interface	15 pos panel mount socket receptacle connector, non floating (mdm-15sh-003b or equivalent)