



DP10048-L, DP10057-L
177C MWD GAMMA MODULES

THE INDUSTRIES MOST RELIABLE GAMMA JUST GOT BETTER!!

SPECIFICATIONS

Electrical:

Input Voltage: DP10048 +17V to +30V, DP10057 +21 to +50V
Current: < 14ma @ 24V 25C , < 17ma @ 24V 177C
Output Signal: Fixed 5 μ s – Negative going - +5V to Gnd
Output Protection: Output shorted to >10V – Unit Shuts Down
Output Power Down: Shorted Output Disables HV to ~ 2ma
Connectors: Glenair MWDM2R-15P & MWDM2R-15S
(200C rated) (MDM Series Compatible)
PMT: Hamamtsu R3991A-31
NaI Crystal: Saint-Gobain .77G5.2 (Active Area)

Performance:

Sensitivity: ~1.0 Counts/API
Accuracy: +/- 3% Count Rate Change - 25C to 177C
Gain Stabilization: Open Loop Gain Compensation with Temperature

Environmental:

Operating Temperature: -50C to 177C
Survival Temperature: 200C
Vibration: 30G, 50 to 250hz Random
Shock: 1000G

Mechanical:

Diameter: 1.36"
Length: 15.37" (13.6" Make up)
Weight: ~1.7 lbs
Material: Black Anodized 6061 Series Aluminum

FEATURES

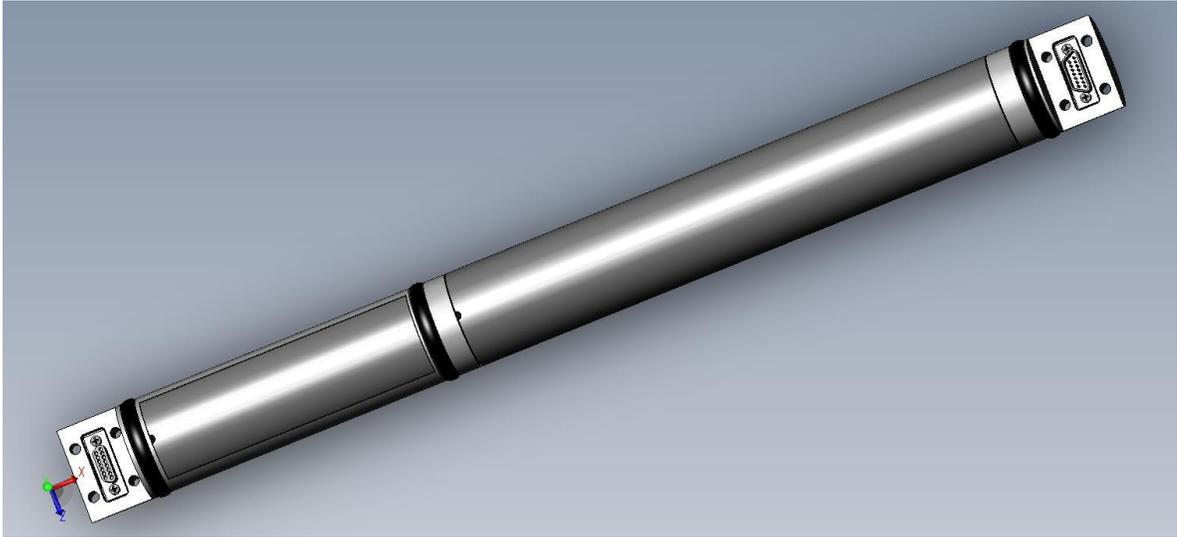
What differentiates ours from our competitors?

- Single board electronics – less wire connections.
- Ultipaked electronics – better shock and vib mounting and easier to service.
- Electronics shielded from external noise.
- Inputs and outputs protection for the electronics.
- HV is run at ~1000V vs higher HV for competitors – less chance of arcing, yields longer PMT life.
- Hamamatsu R3991A-31 PMT – Ruggedized for MWD use.
- Compatible with both Mud Pulse and EM grounding schemes.
- Smart Gamma Option available (shock and vib and onboard logging at 1 sec interval).
- Fastest turnaround time in the industry for evaluation, maintenance, and repairs. Evaluations for free. Typical 1 week turnaround.
- 1 year warranty.

NEW FEATURES

- New screw-less ruggedized chassis.
- Added shock/vib mounting for Crystal.
- Electronics has a burst filter for extreme shock and vib. Offers 10 to 20X reduction in erroneous counts due to extreme shock and vib.
- Unit is designed to fit tight into the housing. No Kapton over o-rings or other additions needed.
- Wire harness is internal to the package. No exposed wires.

**Top View
(No Chassis Interconnect Screws)**



**Bottom View
(No Exposed Wires)**

