



DP10081
177C MWD GAMMA MODULE with PROCESSOR

SPECIFICATIONS

Electrical:

Input Voltage: DP10081 +15V to +30V
DP10081B +21V to +40V
Current: < 18ma @ 24V 25C , < 24ma @ 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
Connectors: Glenair MWDM2R-15P & MWDM2R-15S
(200C rated) (MDM Series Compatible)
PMT: Hamamtsu R3991A-31
NaI Crystal: Saint-Gobain .75G5 (Active Area)
Monitors: Records Vibration, Shock, & Temperature,
Gamma Counts, Gamma Calibration Coefficient
Data Retrieval: RS232 to software run on Windows Vista or
Higher. Software Supplied

Performance:

Sensitivity: ~1.0 C/API, ~.45 C/API for DP10077 (Focused)
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, ~4.7lbs for DP10077
Material: Black Anodized 6061 Series Aluminum

