



Innovator In Spectroscopy Equipment

DIGITAL GAMMA RAY SPECTROMETER
MODEL 2010





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Features:

- 2-inch, 2-inch tall, CsI(Na) crystal OR NaI(Tl)
- 6.5% fwhm (typ.) resolution at 662keV
- Very linear photomultiplier
- Low-power embedded high voltage supply
- Low-power embedded MCA
- Digital temperature sensor
- Digital Stabilizer
- Supports count rates, up to 50,000 cps
- USB - LAN Supports
- Digital gain Adjustment
- 10 bit to 12 bit for low resolution detector

Description:

The DGRS consists of a CFP multichannel analyzer and an integrated high voltage generator and divider to power the photomultiplier (PMT). It plugs directly onto the PMT and can be powered and controlled via an Ethernet or USB connections. The system includes an ARM-9 processor for Ethernet communication, autonomous data acquisition, and local data analysis.

The high voltage divider can deliver 50 μ A DC current and 10mA pulse current to the PMT anode while maintaining excellent gain stability.

The device is sealed and specified over a temperature range of -15°C to +50°C.



