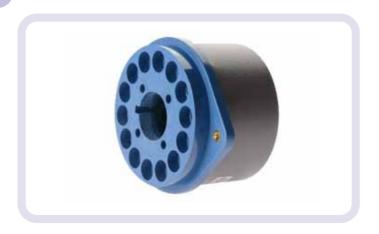
multi-channel analyser base MCA51CP data sheet (provisional)



description

The MCA51CP is a low cost high performance multi-channel analyser (MCA) base designed for gamma ray spectroscopy applications with NaI(TI) scintillation detectors. The base consists of a high voltage power supply (HVPS) capable of supplying up to 2000V and a preamplifier. The unit is compatible with standard 14 pin detectors using 10 stage PMTs. MCA51CP is very easy to use and the unit is powered by USB 2.0 or above. The unit uses histogram mode acquisition and data channels are 16 bits.



applications

Gamma ray spectroscopy with NaI(TI) scintillation detectors

features

- compact
- low power consumption
- low cost

specifications

conversion gain

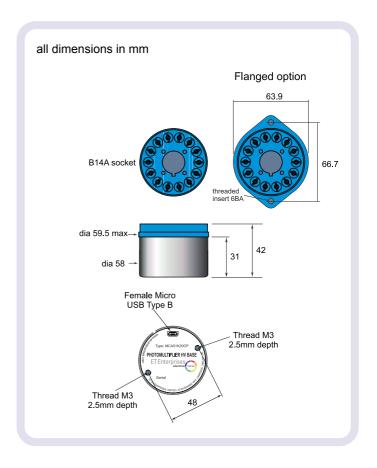
power consumption voltage current dead time pulse pair resolution detector voltage maximum frequency count rate linearity <5% **USB** type connector warm up time temperature (operating)

temperature (storage)

weight

1024 channels

5V 56mA 9us 9µs 0 to 2000V 70kHz up to 60 kHz 2.0 or higher micro USB type AB 1s 5-55 °C -40 to 60 °C 100g



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