



CSP-100 CHARGE AMPLIFIER & DISCRIMINATOR

Specifications:

Charge Amplifier Section:

Signal at input: 0-1 pC negative charge in 1 ns to 100 ns pulse
Amplifier gain: 2V/pC (higher gain on request)
Signal isolation from anode HV supply: 2kV (4kV on request) SHV connector for signal input
Input protection: protected for 10mA current dump into clamp diodes
Amplifier Input Stage: Low Noise Fast JFET
Maximum pulse rate: 5MHz

Discriminator Section:

Discriminator level set: 10 turn potentiometer on back panel
Discriminator output: 0-3.8V TTL pulse
Output signal rise time and decay time: < 10ns

External Power Source:

DC power: +5V 500mA and -5V 500mA thru connector on back panel

Instrument Casing:

Shielded 3mm thick Aluminum casing, shielded from all sides in rectangular casing.

Warranty:

12 months free repair / replacement warranty. To be serviced at our factory in Gwalior

