



**SENSORS TECHNOLOGY PVT. LTD.**  
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# **CSP-400 CHARGE AMPLIFIER & DISCRIMINATOR**

## **Specifications:**

### **Charge Amplifier Section:**

Signal at input: 0-1 pC negative charge in 1 ns to 100 ns pulse  
Amplifier gain: 4V/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

