



**SENSORS TECHNOLOGY PVT. LTD.**

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## CSP-900 Ion Beam Current Sensor Pre-amplifier

### Specifications:

Signal at input: 0-1pC positive or negative charge pulse of duration 100ns to 10us

Amplifier gain: 4V/pC (higher gain on request)

Amplifier Input Stage: Low Noise Fast JFET, without clamp diodes, 50 Ohms

Maximum pulse rate: 10MHz

Minimum pulse rate: 100kHz

Output signal rise time: <100ns

Output signal decay time: <500ns (can be increased or decreased on request)

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

### Casing:

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

### Warranty:

12 months free repair at our workshop located at Sensors Technology, Gwalior, MP

