



2D Beam Position and Intensity Monitor 3100.10

- principle: 2D split ion chamber
- resolution: $< 2\mu\text{m}$ (typically $0.8\mu\text{m}^*$)
- built in calibration function
- operating voltage: 1400V
- amplifier: differential amplifier, beam processor
- atmosphere: N₂ (0.6 - 1.4) bar
- anode/cathode: Au (30x30)mm
- electrode gap: 10mm (others on request)
- range: vertical 6mm, horizontal 10mm (each adjustable $\pm 4\text{mm}$)
- driver coarse adjustment:
 - resolution: $0.884\mu\text{m}$ at 400 steps/rev.
 - range: $\pm 4\text{mm}$
 - drive: step motor controller
 - limit switch, home switch
- encoders: optional
- windows: beryllium, capton or windowless
- dimensions (in beam direction): 93mm + 20mm for cover plate, flange and entrance window

* depending on user site calibration

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