

Multimode DLD 4030 – H9MMHV



Combined Segmented High Voltage Delayline Detector and MicroMott Detector for Phoibos High Voltage Electron Spectrometer 225

Features



- 2D detector, 9 channel detector and MicroMott detector in one
- In-situ mode switching without breaking of vacuum
- Operation at base potentials ranging from zero up to -15 kV
- +25 kV spin target voltage (relative to base potential)
- 40 x 30 mm² active area of DLD body and \varnothing 40 mm active MCP area (active area of 40 x 20 mm² in Phoibos Spectrometer)
- Linear response due to single event counting
- Extremely low dark count rate: < 5 cps
- Up to 3 MHz count rate in 2D mode
- Up to 50 MHz count rate in 9 channel mode
- Up to 41 μ m of pixel size
- Up to 81 ps digital time bin resolution
- Scattering efficiency $5 \cdot 10^{-4} - 1 \cdot 10^{-3}$
- For further information contact Surface Concept GmbH

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