

A40 DeTech Electron Multipliers

DeTech Mass Spec Detectors

Features:

- High Sensitivity
- Stable Glass Surfaces
- High Gain
- High Reliability
- Best Value
- Long life

Applications:

- Mass Spectrometry
- Electron Microscopy
- Surface Analysis
- Field Ion Microscopy
- X-Ray Spectroscopy
- UV Spectroscopy



DeTech offers the widest range of Channel Electron Multipliers for most major mass spectrometer applications in the industry today and at the industries best prices. Manufacturing multipliers for over 20 years, DeTech offers unparalleled service and quality.

DeTech multipliers are manufactured from a lead glass suitably processed to yield an efficient secondary emitting layer on the inner surface. Each electron multiplier is delivered with a quality control label indicating its model number, test voltage, bias current at the test voltage and the date of shipment.

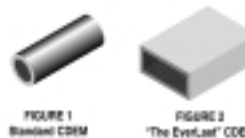
Warranty - Detector Technology's philosophy of "Committed to Excellence" is backed with a 100% "no-nonsense" warranty. If any customer is unsatisfied with a DeTech multiplier, the multiplier is replaced immediately with no questions asked. This warranty is applicable no matter how long the multiplier has been on the customer's shelf.

Basic Care of Channel Electron Multipliers

1. Store detectors out of direct sunlight and keep them sealed in the Nitrogen filled bag.
2. When installing detector into instrument, use powder-free finger cots or gloves.
3. Before running samples follow preconditioning procedure.
4. If detector becomes contaminated with dust or oil, clean in isopropyl and dry in a 150°C oven for 30 minutes.

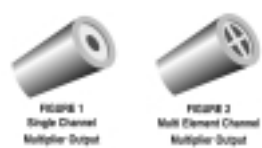
"The Everlast™" Series 1000 Continuous Dynode Electron Multiplier

"The Everlast" uses a rectangular active inner dimension, increasing the surface area when compared to the standard CEM. These detectors are designed for use in the analog current measuring mode. The Series 1000 detectors have an average lifetime seven times greater than that of a standard CEM. DeTech Series 1000 detectors are available mounted in ceramic housings and most are bakeable to 350°C. The design is currently being used in several applications and can be retrofitted for any analog application.



"The Quad" Series 2000 Multi-Element Detector

DeTech has the solution for applications that require channel electron multipliers to become smaller at a lower cost with improved performance. These detectors are designed for use in either pulse-counting or analog mode. The Series 2000 detectors innovative design increases multiplier life by incorporating four separate channels and twisting them like a barbershop pole. When the Series 2000 is in operation the input signal is spread among the four channels. Since the active surface area of the CEM is increased the useful life of the CEM is also increased. The Series 2000 are bakeable to 350°C.



Special Designs

DeTech is the industry leader in manufacturing customized multipliers. Their engineering knowledge and manufacturing flexibility allow them to provide and configure a multiplier for your special low/high volume applications.