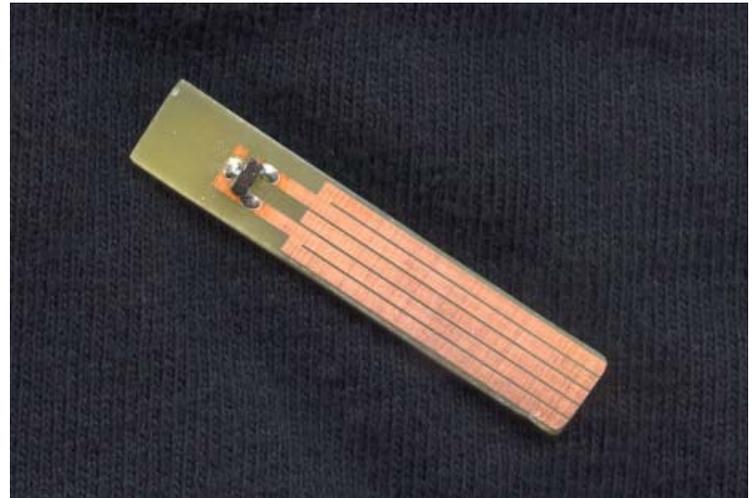


VENDOR DESCRIPTION

The GTP9700 is a family of electronically readable total-dose sensors for high-energy radiation. The omnidirectional transducer is a passive zero-power integrating dosimeter with electronic readout. The electronic readout operation is non-destructive, so a single transducer tag may be read multiple times.

Mechanical outlines of transducer units may be altered to fit customer requirements for mounting and handling.

Transducer readout is accomplished using the Halcyon GTR97X reader.



Product Manager Robotic & Unmanned Sensors

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Business Category: Small Business

NRD

Hardware	
Power: 0 watts (passive until readout)	Operating Altitude: N/A
Weight: 0.9 g	Operating Speed: N/A
Dimensions: 38mm x 10mm x 2.5mm	Operating Temp.: -40°C to 130°C
Internal Volume: 1.0E-6 m ³	Storage Temp.: -60°C to 180°C
On-board storage capacity to handle X hours on station (N/A)	Interface: GTR97X reader from Halcyon Microelectronics
Sensor Type: Solid-state semiconductor	Bandwidth Required: N/A
Sensor Field of View: ±360°	TCDL Compatibility: No
Detection Level: 1.5E-3 Gy/hr dose rate	MTBSA: >1000 hrs
Accuracy: 2% of total dose	MTTR: 8000 hrs
	Maintainability: Reader can execute BIT to LRU level

Performance
Completes 99.9% of the Missions it states w/out experiencing a mission abort
Sensor Contains Internal Permanent Archive – Yes
Sensor Hardened to Mitigate Damaging Effect from EMP – Yes
Sensor Hardened to Eliminate Damaging Effect from EMP – No
Sensor Hardened to Mitigate Damaging Effect from Gamma Radiation – Yes
Sensor Hardened to Eliminate Damaging Effect from Gamma Radiation – Yes