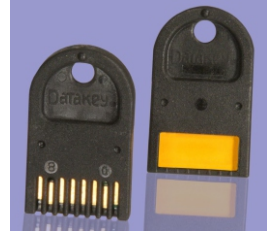


DATAKEY ELECTRONICS' GAMMASAFE™

Datakey Electronics' new GammaSafe™ portable memory token has been designed to survive medical device gamma sterilisation of up to 45kGy with no data loss.

The GammaSafe™ memory token is an ideal solution for disposable medical devices that attach to a base unit that is controlled by a microprocessor/microcontroller. Traditionally these disposable attachments did not have any active electronics as they could not withstand gamma radiation, this has now changed.

Building on our existing range of rugged portable memory devices which can withstand EtO and autoclave sterilisation, the new GammaSafe™ token is ideal for medical applications such as product authentication, anti-counterfeiting, usage tracking, limit use, parameter uploads and calibration information uploads.



Optional Features:

The GammaSafe™ token is similar to our popular SlimLine token form factor except it only has contacts on one side of the token. On the other side of the token we offer an optional sterilisation indicator. This indicates whether the token (and the medical device it is used with) has been exposed to gamma radiation. Unexposed or at low doses the indicator is yellow / orange colour. After being exposed to a 10kGy (or greater) dosage of gamma radiation the indicator turns a vivid red colour.

The Gammasafe token can also be supplied with an optional integrated tether. This tether consists of a 12.7cm cable tie that has been "pre-looped" and integrated into the head of the token.

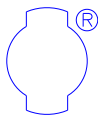
GammaSafe™ Receptacles:

The new range of tokens have their own GammaSafe™ receptacles, available in both board and panel mount options. The range also features receptacles which are splashproof (IP65) and immersion (IP67) rated.



Features:

SGT4Kb GammaSafe™ Memory Token Features:	
Memory	4Kbits (4096 bits) 512 x 8
Voltage	2.7V to 3.6V
Serial Interface	SPI
Gamma Radiation	Up to 45kGy (4.5Mrad) Cumulative
Panel-Mount Receptacles	GR4310 and GR4410 Receptacles
PCB-Mount Receptacles	GR4220PCB and GR4220SMT
Reader/Writer	GammaLink™ III Reader/Writer
Sterilisation Indicator (Optional)	Located in window opposite side from contacts. 10kGy turns indicator red.
Integrated Tether (Optional)	12.7cm pre-looped cable-tie



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