

CONTHERM SCIENTIFIC LTD

TECHNICAL MEMORANDAM

PRODUCT : GPM series 5

No : 0002

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FROM : Russell Kirkwood

DATE : 12/9/90

TO : All Agents

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SUBJECT : GPM Program versions.

There have been a number of upgrades to the original eproms as supplied with the Microprocessor version of the series five ovens and incubators. The GPM series 5 cabinets have been in production for more than 12 months now and some problems have been encountered in a very small number of cabinets, these problems have been overcome by upgrading the series 5 software.

Vers1.0 - The original release version of the firmware for the series 5 microprocessor cabinets.

Vers2.0 - This version of the firmware fixed the following problems in previous versions.

- a) Occasional loss of set points due to mains failure
- b) Prevents inadvertant changing of set point when just examining set points.

Vers2.1 - This version adds the RAMP facility to the oven models and strengthens reliability of operation in noisy environments

Vers2.2 This is the LATEST version and allows the ramp to function with the seperate RAMP button fitted to the ovens.