



RELEASE NOTES

GP300 GRAPHIC PRINTER / CHART RECORDER

Firmware Release RMS1780-00-G

These release notes contain important information about the new firmware and how it will affect the performance of instruments in which it is installed. The notes include information about enhancements, adaptive changes, and corrections to known problems. Please read this documentation carefully.

1. A reliable printhead temperature reading is now established 10 seconds after power up. This was done 60 seconds after power up in FW revision RMS1780-00F. Subsequent periodic readings are taken as before, at 120-second intervals.
2. The original forms of *host control* of chart motion, HCE [18_{hex}] and HCEH [1C_{hex}], now function in *safe print mode*. In this mode print strobes are staggered and therefore dot-rows of any density may be printed. In previous versions concurrent strobes were used, and the host SW was responsible for avoiding excessive print densities. The trade-off is lower printing speed.

A new host control mode has been added, HCEF [1D_{hex}], which functions in *fast print mode*. This is analogous to the HCE of previous revisions – concurrent strobes are used, and the process runs in high-priority mode. The host SW is responsible for avoiding excessive print densities.