



## RELEASE NOTES

### GP300 GRAPHIC PRINTER / CHART RECORDER

#### Firmware Releases RMS1780-01-A, 02-A

*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.*

**NOTE:**

RMS1780-01-A and RMS1780-02-A are parallel firmware revisions. They are functionally identical, with the exceptions noted below:

RMS1780-01-A	RMS1780-02-A
<ul style="list-style-type: none"><li>Requires RMS3758 Digital I/O Interface</li><li>Supports rates up to 115.2 kbps on serial ports</li></ul>	<ul style="list-style-type: none"><li>Requires RMS3758-1 Digital I/O Interface</li><li>Supports rates up to 230.4 kbps on serial ports</li></ul>
Checksum: ***** 052C B4F3 *****	Checksum: ***** 052C B637 *****

1. The firmware supports a new *Raster Graphics Compressed* (RGC) mode of operation. It is analogous to Raster Graphics (RG) mode, but offers much faster performance by using compressed data.

The data are expected encoded following a simple RLE (run length encoded) compression scheme. Testing with a variety of files containing a mixture of text and graphics, has shown that performance is about 4X – 5X faster than the basic RG mode.

[Refer to Section 7.4.6 in the *GP300 User's Guide, Rev. 1.10.*]

2. Fixed a rounding error in the initialization of counters derived from the *vertical interval* parameter, used in the definition of background grids. [The problem could have manifested itself as very slightly inaccurate spacing between dots along the vertical axis, in grids designed based on *imperial* (rather than *metric*) dimensions.]