

TURBINE FLOWMETERS BY **HOFFER**

The Turbine Flowmeter Company

Compact Printers
for use with Flowstar 2007 and
Nova-Flow Computers
Product Bulletin FS-2010-102B

TECHNICAL DATA SHEET

OUTSTANDING FEATURES

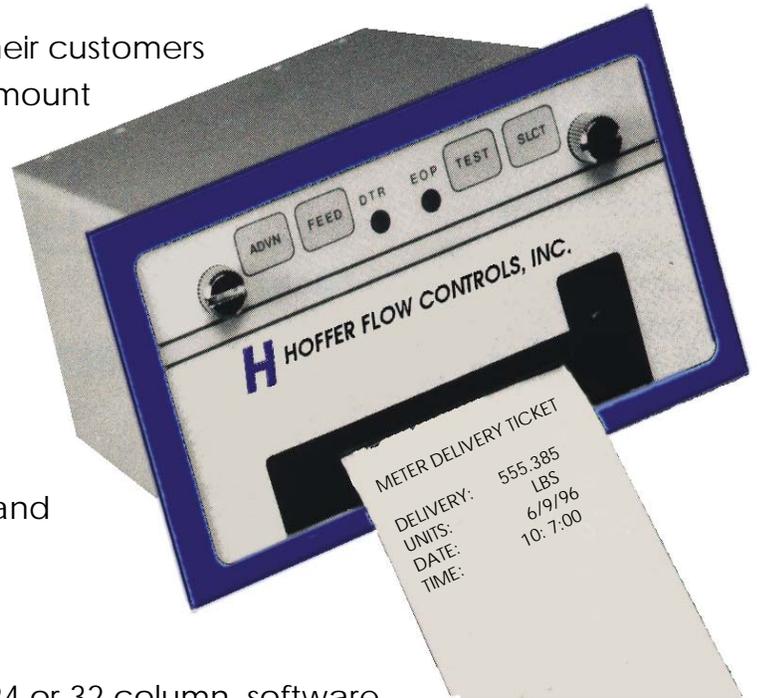
- ◆ Allows user to provide instant receipt to their customers
- ◆ Compact Size (only 4.75" deep on panel mount enclosure style)
- ◆ Full 256 Character ASCII Set
- ◆ Epson Compatible Graphics
- ◆ 2.5 Lines per Second print speed
- ◆ Permanent Impact Printing
- ◆ Built-in Software Clock/Calendar
- ◆ Standard 2K Buffer
- ◆ Front Access for ribbon and printer
- ◆ Unit fully supported in rack during ribbon and paper replacement
- ◆ AC or DC power options

GENERAL DESCRIPTION

The Hoffer Model 2010 Compact Printer is a 24 or 32 column, software switchable printer available in panel mount and portable enclosure styles. It is intended to be used with the Hoffer Nova-Flow and Flowstar 2007 flow computers in a variety of industrial and commercial applications in which small size and low cost are important considerations. The Model 2010 Printer meets these overall objectives without compromising features which would be considered desirable for a quality commercial unit. A full 256 character ASCII set and Epson compatible graphics, self-test on power up and choice of character fonts are just some of the many standard features of the unit.

The Model 2010 is a dot matrix impact printer capable of a print rate of 2.5 lines per second. It uses standard 2.5" diameter, 2.25" wide calculator paper, and because it is unusually tolerant of paper thickness, is capable of printing on two-ply carbonless paper as well. The Model 2010 Printer has the ability to print "total", time and date. Additionally, the Model 2010 printer can print the batch number when used in conjunction with the Model 2007 Flowstar Batch Controller and the Nova-Flow Batch Controller.

Perhaps the most important feature of the unit is its compact size. The front panel dimensions are similar to those of other units, 2.75" high X 4.5" wide. The difference is the printer is only 4.75" deep, as opposed to other printers that are nearly twice as deep. And, this compact size is achieved at the same time that other important mechanical advantages are provided. The paper is replaced by access from the front panel without the necessity of separating power or signal connections from the unit. This results in two important benefits to the user: the power feed capability can be used to make loading paper extremely easy, and there is no wear and tear on connectors every time paper is changed, since no connections are made or broken!



SPECIFICATIONS

PRINT CHARACTERISTICS

Printhead	Dot matrix impact, dual head per line
Printhead Life	1 million character lines
Print Rate	2.5 lines per second
Character Set	256 ASCII (International) characters
Character Spacing	1.98mm, 24 or 32 column
Line Spacing	4.23 mm
Character Buffer	2048 Characters
Out of Paper Sensor	Optical, Reflective - standard

ENVIRONMENTAL

Temperature	0° to 50° C (ambient)
Relative Humidity	20% to 90%, non-condensing

DIMENSIONS

Panel Cut-Out	2.78" X 4.5"
Case	2.76" X 4.4" X 4.75"
Front Panel	3.125" X 5.50"
Weight	1.6 lbs

Model 2010 – RS232 – () - ()

Power Input

- (1) 115 VAC 50/60 Hz *(Requires a power supply of 115 VAC in/5 VDC out)*
- (2) 220 VAC 50/60 Hz *(Requires a power supply of 220 VAC in/5 VDC out)*
- (3) 5 VDC *(1.0 amps while printing) Supplied by customer.*
- (4) 7 to 13.6 VDC *(1.0 amps while printing) Supplied by customer.*
- (5) 115 VAC 50/60 Hz *(Remote wall plug transformer 115/12 VDC)*
- (6) 220 VAC 50/60 Hz *(Remote wall plug transformer 220/12 VDC)*
- (7) 24 VDC *(1 AMP while printing) supplied by customer*

Enclosures

- (P) Panel Mount *(Power supply options remote)*
- (C) Portable Printer installed under hinged cover with power supply internal. *(If optioned.) (Includes all mating MS connectors).*
- (CF) Portable Printer/Flowstar installed under hinged cover with power supply internal. *(If optioned.) (Includes all mating MS connectors).*

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The quality system covering the design, manufacture and testing of our products is certified to International Standard ISO 9001.



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