

TURBINE FLOWMETERS BY **HOFFER**

The Turbine Flowmeter Company

ACE P5 and P6 Printers
for use with ACE and ACE II
Advanced Cryogenic Electronics
Product Bulletin ACEP-100

TECHNICAL DATA SHEET

OUTSTANDING FEATURES

- ◆ Forward and backward paper feeding
- ◆ Paper eject function
- ◆ TOF and BOF detection (Top of form and bottom of form sensors)
- ◆ Paper out notification
- ◆ Self test on power up to check control circuit function and printer mechanism
- ◆ Point of sale printed delivery ticket
- ◆ Customized delivery tickets (contact factory)
- ◆ Reproduction of lost or damaged delivery ticket prior to start of next delivery
- ◆ Time and date printing on delivery ticket and trip summary report
- ◆ Preventive maintenance schedule and recalibration date printing on daily trip report.
- ◆ Log failure report for maintenance personnel

GENERAL DESCRIPTION

The Hoffer ACE P5 and P6 printers are dot matrix impact printers for use with ACE and ACE II cryogenic flow computers.

These compact printers support slip ticket printing for point of sale deliveries as well as printing to a factory supplied paper roll for long reports and diagnostic history. Contact the factory for information on custom ticket formats.

The P5 and P6 printers may be specified for 12 VDC, 24 VDC or 110/220 VAC operation when ordering. A variety of enclosure and mounting options are also available to suit a multitude of operating environments. Connection is made to the serial interface of the host computer via a factory supplied RS-232 cable.



SAMPLE DELIVERY TICKET

METER DELIVERY TICKET
TRAILER NUMBER: 1227
PRODUCT NAME: LOX
DELIVERY: 910,27
UNITS: POUNDS
DATE: MON 1 DEC 02
TIME: 12:48:02

SPECIFICATIONS

PRINT CHARACTERISTICS

Printing Method	Impact Dot Matrix, 7 pin shuttle type	Interface	RS-232 serial
Characters per Line	5x7 font: 35 ; 7x7 font: 42	Power Supply	12 VDC Power Input 24 VDC Power Input 110/220 VAC power input
Print Speed	Up to 2.3 lines per second	Print Head Life	100 million characters
Paper Type	Normal, pressure-sensitive, and carbon-copy paper	Operating Temp.	5 to 40 degrees C (41 to 104 degrees F)
Paper Size	80 x 69 mm (3.15"W x 2.72"L) to 182 x 257 mm (7.17W x 10.12"L)	Dimensions	101.5 x 180 x 190.5 mm (4.0"Hx7.09"Wx7.5"D)
Paper Thickness	Single-Ply: 0.09 to 0.25 mm (0.0035" to 0.0098") Copy paper (3 sheets max.): 0.09 to 0.35 mm (0.0035" to 0.0138")	Weight	Approximately 1.6 kg (3.52 lb)

Model ACE - () - () - () - () - () - ()

Model	
(P5)	Programmed for ACE-B
(P6)	Programmed for ACE-II
Power Options	
(12)	12 VDC Power Input
(24)	24 VDC Power Input
*(110/220X24)	110/220 VAC power input (Remote and with Skydyne only)
Heaters	
(H)	Heater-Required below 41 Deg. F.
(X)	None.
Enclosures	
(1)	General purpose-Requires clean/dry environment such as indoors or protected cab area.
(2)**	Portable case, waterproof enclosure.
(3)**	Shock mounted, waterproof enclosure (meets MIL-STD-108) fiberglass. This enclosure is meant to mount in a semi-protected area such as the rear compartment of a tanker, protected, mounted away from frosted pipes.
(4)	Special S/S enclosure with printer mounted on door with 24 VDC filter. No Vicor power supply.
(X)	Select this option when ordering a replacement printer mechanism (in the power and heaters option fields specify as on the original unit).
Mounting	
(R)	Ace electronics remote
(M)	ACE electronics mounted on top of printer cover.
(X)	Select this option when ordering a replacement printer mechanism (in the power and heaters option fields specify as on the original unit).
Special Features	
(SP)	Any special features that are not covered in the model number, use a written description of the -SP.

Notes:

* Internal power supply can power both printer and ACE electronics with and without heaters.

** Enclosure styles 2 and 3 allow for internal mounting of 110/220 VAC power supply. Enclosure style 1 does not allow for internal mounted of 110/220 VAC power supply and power supply will be supplied as a separate component.