

1/8 DIN 6-DIGIT RATE METER/TOTALIZERS

**MONOGRAM[®]
SERIES**

DPF701 Series



- ✓ Measures Rate from 0.5 Hz to 30 kHz
- ✓ Totalizes Up or Down from -99,999 to 999,999 or Acts as Accumulating Stopwatch
- ✓ 6-Digit, 7-Segment LED, 14.2 mm H (0.56")



DPF701 1/8 DIN, FP7001A flow sensor, and FP7010-GI fitting, shown smaller than actual size, please visit omega.com for details.

DP40-BB-YL yellow BUMPER BAND[®] protective guard, sold separately. A gray BUMPER BAND guard is supplied with every unit.

Signal Input Choices (Selectable by DIP Switch)

- ✓ TTL Compatible with Protection to 25V
- ✓ Low Level (25 mV rms)
- ✓ High Level Signals Protected to 115V
- ✓ NAMUR
- ✓ Open Collector PNP or NPN

BEZEL DESIGN IS A REGISTERED TRADEMARK

Communications and Control

- ✓ RS232 Output Optional
- ✓ Optional Dual 5A Form C Relays
- ✓ Analog Output, Scalable, 4 to 20 mA, 0 to 20 mA, 0 to 10V (Optional)

The DPF701 ratemeter/totalizer offers user programming via the 5 front-panel keys. Scale factor can be programmed from -99,999 to 999,999 (any decimal point, multiply or divide), while offset can be programmed from -99,999 to 999,999 (any decimal point).

Programs are stored in non-volatile memory, with three levels of program lockout for security. Optional features include Hi or Lo setpoints for control or alarm, plus RS232 communication. Fixed decimal point or autoranging is standard.

SPECIFICATIONS

Functions: Rate and totalize selected by menu
Display: 6-digit, 7-segment red LED display
Inputs:
Type: Single input. TTL, CMOS, NPN open collector, contact closure and magnetic pickup compatible; selected by DIP switch. Non-isolated.
Level: Max 60V; min 25 mV rms
Frequency: 30 kHz max
Excitation: Regulated, 5.0, 8.2, or 12.5V selected by DIP switch, 100 mA max
Accuracy: ±0.5 LSD of total; 0.01% of the rate ±1.5 LSD
Setpoints: Two, optional
Alarm Outputs: Optional
Communication: RS232, analog output, optional
Rate Measurement Technique: 1/x
Gate Time: 0.30 sec
Decimal Point: Programmable or autoranging
Trigger Slope: Selectable by DIP switch
Leading Zeros: Blank
Power: 115 or 230 ±15% Vac
Dimensions: 48 H x 96 W x 152 mm D (1.9 x 3.8 x 6")
Panel Cutout: 45 H x 92 mm D (1.8 x 3.6")
Weight: 454 g (1 lb)

To Order *Visit omega.com/dpf700 for Pricing and Details*

Model No.	Description
DPF701	115 Vac/7.5 to 13 Vdc powered
DPF702	230 Vac/7.5 to 13 Vdc powered
Option Boards (Field Installable)	
DPF700-A	Analog output board
DPF700-R	Dual 5A relay board
DPF700-232	RS232 output board

Accessories

Model No.	Description
DP40-BB-(*)	1/8 DIN bumper band
DPP-518	DIN panel punch

* Specify color code: **GY** (gray), **YL** (yellow), **BK** (black), **BL** (blue), **GR** (green), **RD** (red), **OR** (orange), **VL** (purple) or **WH** (white). Comes complete with gray BUMPER BAND[®] protective rubber guard and operator's manual.

Ordering Examples: DPF701, plus DPF700-A, analog output board. DPF702, plus DP40-BB-YL, yellow BUMPER BAND. DP40-BB-YL is a yellow protective guard for 1/8 DIN meters.

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