

6-DIGIT RATEMETER/TOTALIZER

**MONOGRAM™
SERIES**

DPF701 Series

Starts at
\$260



- ✓ 5-Year Warranty
- ✓ Measures Rate from 0.5 Hz to 30 kHz
- ✓ Totalizes Up or Down from -99,999 to 999,999 or Acts as Accumulating Stopwatch
- ✓ Optional High and Low Setpoints for Control or Alarm
- ✓ 1/2 DIN Case with 5 Front-Panel Keys
- ✓ 6-Digit, 7-Segment, 14.2 mm (0.56") High LED
- ✓ NEMA 4 Front Bezel
- Signal Input Choices (Selectable by DIP Switch)
 - ✓ TTL Compatible with Protection to 25 V
 - ✓ Low Level (25 mVrms)
 - ✓ High-Level Signals Protected to 115 V
 - ✓ NAMUR
 - ✓ Open-Collector PNP or NPN
- Sensor Excitation Output
 - ✓ 12.5 V to 100 mA
 - ✓ 8.2 V to 70 mA
 - ✓ 5.0 V to 50 mA
- Optional Communications and Control
 - ✓ RS232 Output Optional
 - ✓ Dual 5 A Form "C" Relays
 - ✓ Analog Output: Scalable, 4 to 20 mA, 0 to 20 mA, 0 to 10 V



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

Programs are stored in non-volatile memory, with 3 levels of program lockout for security. Optional features include high or low setpoints for control or alarm and RS232 communications. Fixed decimal point and auto-ranging are standard.

SPECIFICATIONS

Functions: Rate and totalize, menu selectable
Display: 6-digit, 7-segment, red LED
Inputs
Type: Single input; TTL, CMOS, NPN open collector, contact closure and magnetic pickup compatible; selected by DIP switch; non-isolated

DPF701, \$260, shown smaller than actual size, with FP7000S, flow sensor, \$200, sold separately, search omega.com.

Level: Max 60 V; min 25 mVrms
Frequency: 30 kHz max
Excitation: Regulated; 5.0, 8.2, or 12.5 V selected by DIP switch; 100 mA max
Accuracy: ±1/2 LSD of total; 0.01% of the rate ±1/2 LSD
Setpoints: 2 (optional)
Alarm Outputs: Optional
Communications (Optional): RS232, analog output
Rate Measurement Technique: 1/x
Gate Time: 0.30 s
Decimal Point: Programmable or auto-ranging
Trigger Slope: Selectable by DIP switch
Leading Zeros: Blank
Power: 115 or 230 Vac ±15%
Dimensions: 48 H x 96 W x 152 mm D (1.9 x 3.8 x 6")
Panel Cutout: 45 H x 92 mm W (1.8 x 3.6")
Weight: 454 g (16 oz)

MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)

MODEL NO.	PRICE	DESCRIPTION
DPF701	\$260	115 Vac/7.5 to 13 Vdc powered
DPF702	260	230 Vac/7.5 to 13 Vdc powered
OPTION BOARDS (FIELD INSTALLABLE)		
DPF700-A	\$100	Analog output board
DPF700-R	75	Dual 5 A relay board
DPF700-232	60	RS232 output board

Comes with gray BUMPER BAND® protective rubber guard and complete operator's manual.
Ordering Example: DPF701, ratemeter/totalizer with 115 Vac power, DPF700-A, analog output board, \$260 + 100 = \$360.

ACCESSORY

MODEL NO.	PRICE	DESCRIPTION
ES-2070	\$210	Reference Book: Hazardous Materials Handbook



UNITED STATES

www.omega.com
1-800-TC-OMEGA
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• Flow and Level

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

• pH and Conductivity

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• Data Acquisition

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• Heaters

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