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")

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

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)

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; minimum 25 mV rms
Frequency: 30 kHz maximum
Excitation: Regulated, 5.0, 8.2, or 12.4V selected by DIP switch, 100 mA maximum
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

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<tr>
<th>Model No.</th>
<th>Description</th>
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<tbody>
<tr>
<td>DPF701</td>
<td>115 Vac/7.5 to 13 Vdc powered</td>
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<tr>
<td>DPF702</td>
<td>230 Vac/7.5 to 13 Vdc powered</td>
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Option Boards (Field Installable)

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<tr>
<td>DPF700-A3</td>
<td>Analog output board</td>
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<tr>
<td>DPF700-R</td>
<td>Dual 5A relay board</td>
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<td>DPF700-232</td>
<td>RS232 output board</td>
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Accessories

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<td>DP40-BB-*(-)</td>
<td>⅛ DIN bumper band</td>
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<tr>
<td>DPP-5</td>
<td>⅛ DIN panel punch</td>
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* Specify color code: GY (gray), YL (yellow), BK (black), BL (blue), GR (green), RD (red), OR (orange), VL (purple) or WH (white).

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.