**1/8 DIN RATEMETERS, TOTALIZERS, AND BATCH CONTROLLERS**

For Frequency Inputs

**DPF76 Series**

- Front-Panel Programming and Scaling
- Rate and Total in One Unit
- Remote or Front-Panel Reset
- Optional Analog Output for Rate or Total
- NEMA 4X (IP66) Front Panel

The DPF75 is a combination 6-digit totalizer/batch controller and 5½ digit ratemeter with 2 relays. The user can set one relay for batch and the other for rate alarm. The totalizer and ratemeter display in the same engineering units: units per second, minute, or hour. The DPF75 can accept 2 inputs and separately scale them for “A - B” or “A + B”. Either input A rate or net total can be displayed.

The DPF76 is a 6-digit scalable totalizer/batch controller with 2 relays for 2-stage batch control. The DPF78 is a 4½ digit scalable ratemeter with 2 alarm relays.

**SPECIFICATIONS**

**Input Power:** 110 Vac ±15%, 220 Vac ±15%, 6.5 VA at rated AC voltage

**Output Power (AC-Powered Units Only):** +12 Vdc @ 50 mA unregulated—10 + 50%

**Rate Accuracy:** ±0.1% of rdg + 1 LSD

**K Factor:** Up to 5-digits

**Temperature:**
- Operating: 0 to 54°C (32 to 129°F)
- Storage: -40 to 93°C (-40 to 199°F)

**Memory:** EEPROM stores data for 10 years if power lost

**Pulse Input:** Low = 0 to 1 Vdc; high = 4 to 30 Vdc; 10 kΩ impedance, up to 10 kHz; min 0.05 Hz for rate indication

**Option “-LL”:** 30 mV min to 50V maximum p-p input, 10 kΩ impedance, 5 kHz maximum

**Relays:** Rated 5 A @ 240 Vac or 28 Vdc; SPST, selectable for NO or NC; relays latch or auto-recycle after 0.1 to 99.9 s

**Panel Cutout:** 4.5 H x 9.2 cm W (1.772 x 3.622”); DIN standard, 10.3 cm (4.06”) depth

**Shipping Weight:** 907 g (2 lb)

**To Order**

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<tr>
<th>Model No.</th>
<th>Description</th>
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<tbody>
<tr>
<td>DPF75</td>
<td>Ratemeter and batch controller with 2 separate 5 A SPST relays for rate alarm or batching</td>
</tr>
<tr>
<td>DPF76</td>
<td>Scalable totalizer/batch controller with relays</td>
</tr>
<tr>
<td>DPF78</td>
<td>Scalable ratemeter with 2 separate 5 A SPST alarms</td>
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**Options**

**Ordering Suffix | Description**
- A | Analog output, 0 or 4 to 20 mA proportional to rate/total*
- LL | Low level magnetic input A, 30 mV range
- 220 | 220 Vac power
- RS232 | RS232 communications*
- RS422 | RS422 communications*

*“-A”, “RS232” and “RS422” options are mutually exclusive. Only one may be ordered with a unit.

**Accessories**

<table>
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<tr>
<td>DPP-5</td>
<td>1/8 DIN panel punch</td>
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<tr>
<td>FLSC-AMP</td>
<td>Amplifier for low-level turbine and paddlewheel sensor inputs</td>
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*Comes complete with operator’s manual.

**Ordering Examples:** DPF75-RS232-LL, ratemeter/batch controller with RS232 output, and low-level input option.

**DPF75**, totalizer/batch controller, **OCW-3**, OMEGACARE™ extends standard 2-year warranty to a total of 5 years.