

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



DPF75 1/8 DIN, shown actual size.

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)



OMEGACARESM extended warranty program is available for models shown on this page. Ask your sales representative for full details when placing an order. OMEGACARESM covers parts, labor and equivalent loaners.

To Order

Model No.	Description
DPF75	Ratemeter and batch controller with 2 separate 5 A SPST relays for rate alarm or batching
DPF76	Scalable totalizer/batch controller with relays
DPF78	Scalable ratemeter with 2 separate 5 A SPST alarms

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

Model No.	Description
DPP-5	1/8 DIN panel punch
FLSC-AMP	Amplifier for low-level turbine and paddlewheel sensor inputs

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, OMEGACARESM extends standard 2-year warranty to a total of 5 years.