

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

## For Voltage and Current Inputs

### DPF60 Series



- ✓ Front-Panel Programming and Scaling
- ✓ Rate and Total in One Unit
- ✓ Remote or Front-Panel Reset
- ✓ Relays Latch or Auto-Recycle
- ✓ Zero and Span Adjustable
- ✓ Rate Alarm Acts as Window Alarm with Hysteresis Around Setpoint
- ✓ Analog Output Optional

The DPF60 is a combination microprocessor-based digital rate indicator and integrating totalizer. It accepts inputs of 4 to 20 mA, 0 to 20 mA, 0 to 5V, or 1 to 5V and can be scaled for engineering units directly from the nema 4X (IP66) rated front panel without tweaking internal potentiometers. The dual standard 5 A (@ 250 Vac) relays can be assigned to the ratemeter, or to the totalizer, or one relay to each for batch control and rate alarm.

The display features a floating decimal point that moves left or right depending on how many "significant figures" the user has selected. In the totalizer mode, 6-digits can be displayed. The unit is fully scalable from 0 to 59,999, which indicates the flow rate represented at 20 mA. A peak and valley feature allows the user to call up the recent high and low readings.

A square-root extracting input is optional on all units for use with differential pressure flowmeters, such as orifice plates and pitot tubes.

With the DPF66, the user can toggle between rate of flow and total flow (6-digits) from the front panel. The rate display is selectable for units per second, minute, or hour, and the totalizer integrates in the same engineering units. The DPF65 displays just total flow, while the DPF64 only displays rate of flow.



DPF66 1/8 DIN, shown actual size.

### SPECIFICATIONS

**Accuracy:** ±0.15% FS for rate and total

**Temperature Range:**

**Operating:** 5 to 54°C (41 to 129°F)

**Storage:** -40 to 93°C (-40 to 199°F)

**Relay Output:** 2 SPDT relays, 5 A @ 250 Vac; relays latch or auto-recycle after 0.1 to 99.9 s

**Power:** 94 to 126 Vac, 50/60 Hz (or 12 to 24 Vdc) standard; 187 to 253 Vac or 12 to 24 Vdc optional

**Display:** 15 x 8 mm (0.6 x 0.32") LED—6-digits total, 5-digits rate

**Standby:** Non-volatile RAM retains scale settings, presets, output status and total flow up to 1 year without power

**Regulated Power Output:** ±5% 24 Vdc @ 50 mA

**Panel Cutout:** 45 H x 92 mm W (1.772 x 3.622"); DIN standard; 112 mm (4.4") depth



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

**To Order Visit [omega.com/dpf60](http://omega.com/dpf60) for Pricing and Details**

Model No.	Description
DPF64	Ratemeter with 2 separate 5 A SPDT alarms
DPF65	Batch controller with prewarn and preset 5 A SPDT relays
DPF66	Ratemeter and batch controller with 2 separate 5 A SPDT relays for rate alarm or batching
DPP-5	1/8 DIN panel punch

### Options

Ordering Suffix	Description
-A	Analog output, 4 to 20 mA proportional to rate
-SQRT	Square root extraction, for differential pressure flowmeters
-RS232	RS232 communications
-RS422	RS422 communications

Comes complete with mounting bracket, gasket and screws, and operator's manual.  
**Ordering Examples:** DPF64-RS232, ratemeter/ batch controller with RS232 output.  
 OCW-3, OMEGACARE<sup>SM</sup> extends standard 2-year warranty to a total of 5 years.  
 DPF64-SQRT, digital ratemeter with square root extraction option.