

FLOW BATCHING PROCESSOR



DPF-520 Series



- ✓ Batch Control
- ✓ Regeneration Control
- ✓ High/Low Flow Rate Monitoring
- ✓ Water Usage Monitoring
- ✓ NEMA 4X (IP56)

The DPF-520 Series is a batching flow processor with additional output controls. It is designed for use with OMEGA® flowmeters and flow sensors, as well as other manufacturer's products which have frequency output proportional to flow. In addition to batch functions, the DPF-520 Series indicates flow rate, and other data in large 9.66 mm ($\frac{3}{8}$ ") digits on an easily-read, backlit display. Units of measure are user selectable.

An analog output of 4 to 20 mA is available both in active and passive loop configuration, and in 0 to 5 Vdc or 0 to 10 Vdc outputs, and can be used in applications such as flow rate logging. Two programmable pulse scaled outputs are also standard, and can be used, for example, to provide proportional chemical feed with a pulse-responsive metering pump.

The housing is supplied with two brackets for wall-mount applications, or the top/bottom housings can be easily separated and reassembled for panel-mount.



DPF-520 shown smaller than actual size.

SPECIFICATIONS

Power: 115 Vac, 50/60 Hz @ 125 mA, 12 Vdc @ 750 mA or 10 to 16 Vdc (220 Vac optional)

Temperature: 0 to 55°C (32 to 130°F)

Enclosure: Precision cast aluminum, NEMA 4X (IP56), panel or wall mount configuration

Batch Outputs: Two form C (SPDT) relays, 115 Vac 6A maximum

Maximum Pulse Output: 100 mA at 60 Vac/Vdc, opto-isolated, open-collector

Memory Type: Non-volatile EEPROM with auto-backup

Sensor Power: 12 Vdc, 10 mA

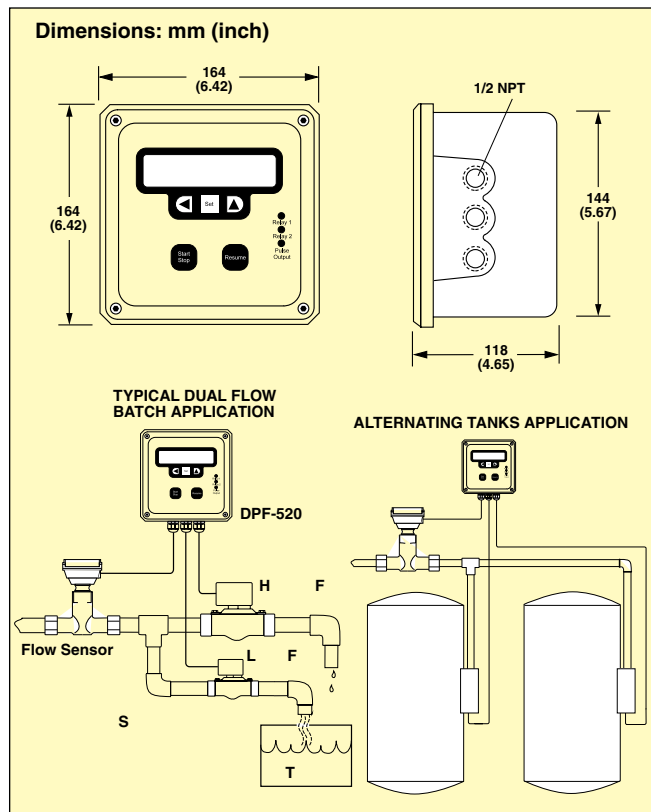
Display: Totalizer = 8 digit; Rate = 5 digit, backlit

Units: Volume = Gallons, cubic feet, cubic meters, millions of gallons, milliliters, fluid ounces, pounds, liters; Time = Seconds, minutes, hours, days

Analog Output: 4 to 20 mA passive opto-isolated; 4 to 20 mA active; 0 to 5 Vdc, or 0 to 10 Vdc

Sensor Input: 1 to 1000 Hz, ESD protected, interfaces to current sinking sensor (NPN, TTL, contact closure) output

Setup Memory: Non-volatile EEPROM, auto-backup



To Order Visit omega.com/dpf-520 for Pricing and Details

Model No.	Description
DPF-521	Wall mount batch controller
DPF-521C	Wall mount batch controller with regeneration control
DPF-521R	Wall mount batch controller with rate alarm
DPF-521C-220V	Wall mount batch controller with regeneration control, 220 Vac
DPF-521R-220V	Wall mount batch controller with rate alarm control, 220 Vac
DPF-522	Wall mount usage monitor
DPF-522-220V	Wall mount usage monitor, 220 Vac

Comes complete with 2 mounting brackets and operator's manual.

Ordering Examples: DPF-521R, wall mount batch controller with rate alarm.

DPF-522, wall mount usage monitor.