



DPM05 Flow Computer



| Features |

- LED display : Instantaneous flow : 5-digit, Cumulative flow : 8-digit, accuracy $\pm 0.2\%$ F.S.
- Temperature and pressure compensation : Utilizes temperature and pressure measurements for precise density compensation and high accuracy flow calculations, with built-in formulas for various applications.
- RS-485 communication support : Adopts the standard Modbus RTU communication protocol.
- Auxiliary power supply : Provides two sets of DC 24V power supplies to simplify field wiring.
- Isolation design : Ensures mutual isolation between input, output, power, and communication interfaces.

| Introduction |

The DPM05 Flow Computer collects temperature, pressure, and flow signals to calculate flow rates. Suitable for liquid, gas, superheated steam, and saturated steam flow measurement and control, it supports energy management and consumption analysis for businesses.

| Applications |

Gas flow measurement / Differential pressure flow meter / Compressed air systems / Chemical processes / Steam usage monitoring

Specification

Display

Display readout Instantaneous flow : 5-digit
Cumulative flow : 8-digit

Decimal point 0 ... 3 place

Display LED display

Instantaneous flow digit height : 8 mm

Cumulative flow digit height : 7 mm

Sampling time 500 ms

Parameter setting mode Button

Accuracy

Display $\pm 0.2\%$ F.S. ± 1 digit

Input

Flow 4 ... 20 mA, square root

Pressure 4 ... 20 mA

Temperature PT100

Output

Signal type Current : 4 ... 20 mA

Relay Alarm range : -199999 ... 999999

Relay capacity : Max current : 2A

Max voltage : AC 220 V / DC 24 V

Communication RS-485 Modbus RTU

RS-485 baud rate : 1200 、 2400 、 4800 、 9600 、 19200

Environment

Operating environment 0 ... + 50°C ; 0 ... 85%RH

Electrical

Power supply AC 100 ... 240 V / 50 ... 60 Hz

Auxiliary power DC 24 V ± 1 V / ≤ 30 mA

Dissipated power 6 W

Isolation

Four-way isolation

Protection

IP rating IP54(Front panel)

Material

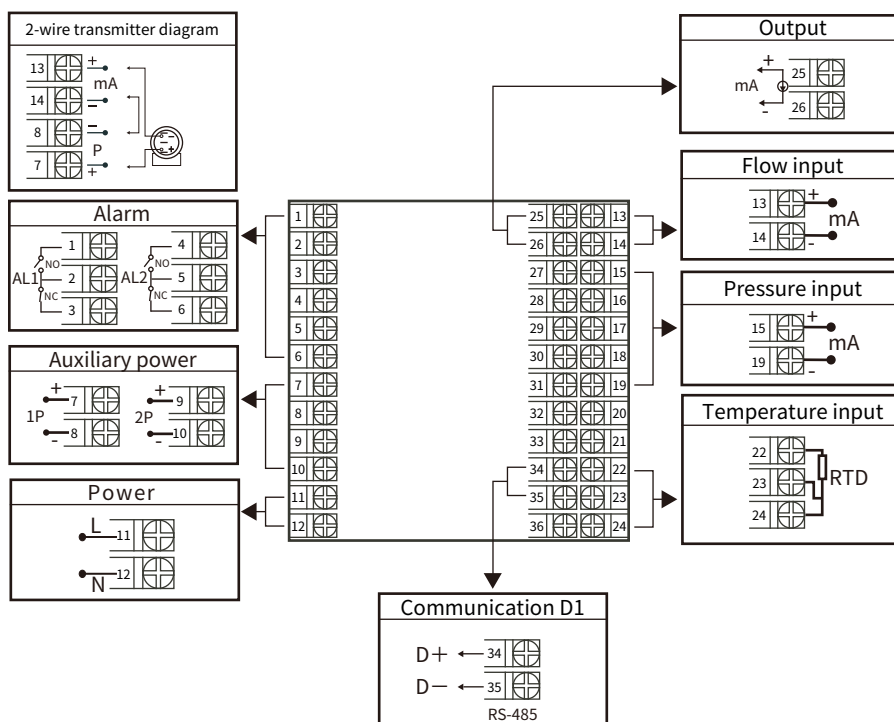
Housing ABS

Dimensions 96x48x110 mm

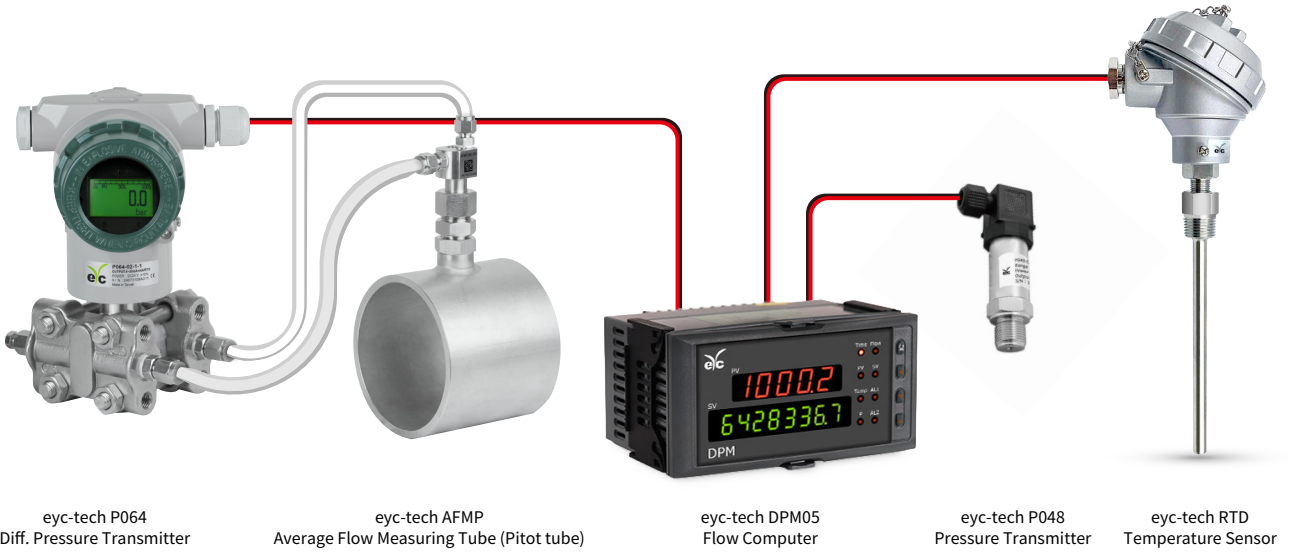
Cut out dimensions 92x45 mm(+0.5 mm)

Weight 500 g

Diagram



| Combination |



| Display Information |



| Ordering Guide |

