

# Flow computer UNI200

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UNI 200 with enclosure for wall mounting.  
Enclosure class IP 65



UNI 200 with enclosure for rail mounting.  
Enclosure class IP 20.

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## Description

UNI200 is a modularly designed converter for processing signals from flowmeter with frequency output, pressure transmitter and temperature sensor.

## Power supply

230 VAC and 12 VDC available

## Enclosure

IP20 for rail mounting  
IP65 for wall mounting

## Weight

IP20: 0,4 kg  
IP65: 2,2 kg

## Display

2x16 digits LCD with illuminated background  
Line 1: flow rate – 7 digits, floating decimal point  
Line 2: accumulated volume – 12 digits, floating decimal point  
Volume indication 1 is resettable ("trip meter")  
Volume indication 2 is non resettable ("grand total")  
Display indication of all process parameters by means of membrane switch board

## Input signal (pulse train) from:

gas flow meter GD  
liquid flow meter VD  
proximity switch, max 8 VDC (high level)  
turbine and rotary meters  
frequency range: 0-500 Hz  
over voltage protection: 24 V

## Input signals (analog):

temperature sensor: Pt100 (four wire leader)  
pressure transducer: 4-20 mA (0-X bar gauge)  
basic measurement resolution: 12 bits  
accuracy: 0,05% at 20 °C  
update rate: 1/sec  
reverse polarity: no ill effects  
over current limit: 12 VDC, 100 mA (fault protected)

## Output signals:

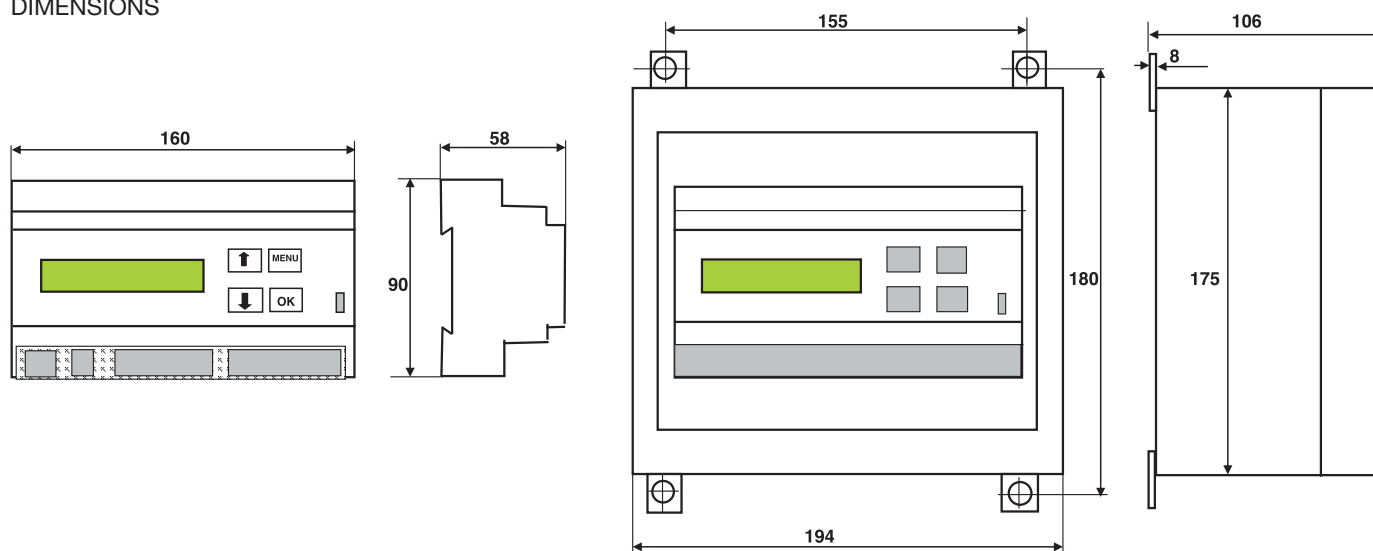
1/ pulse train assignable to uncompensated or PT compensated volume total, or mass total, 12 VDC active (voltage pulse)  
alt. passive (open collector, max 24 VDC load), pulse width adjustable

2/ isolated analog output signal 4-20 mA  
assignable to uncompensated or PT compensated flow rate

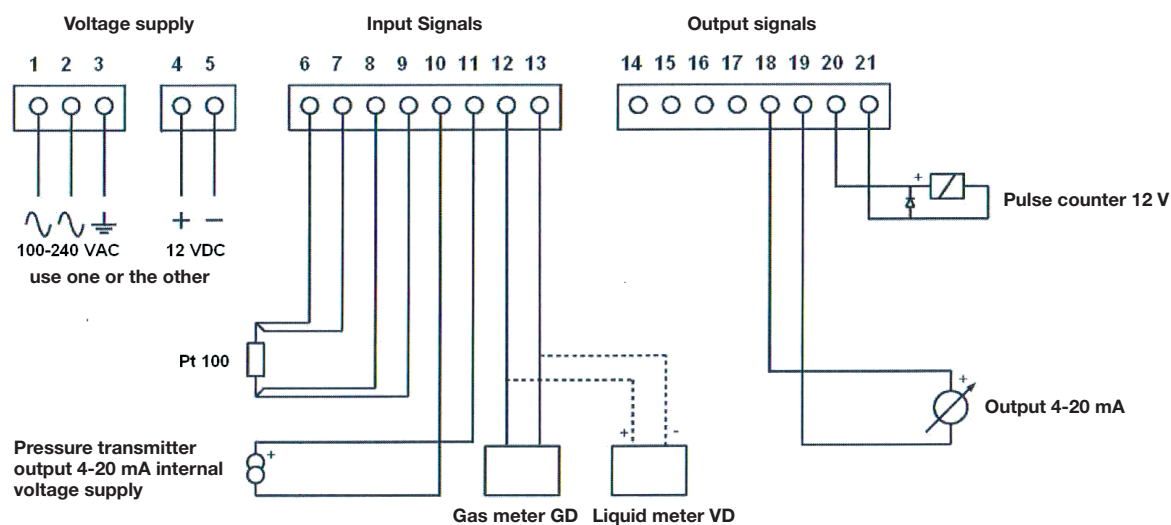
accuracy: 0,1% FS at 20 °C  
update rate: 5 updates/sec  
maximum load: 500 ohms

**Fluid  
inventor AB**

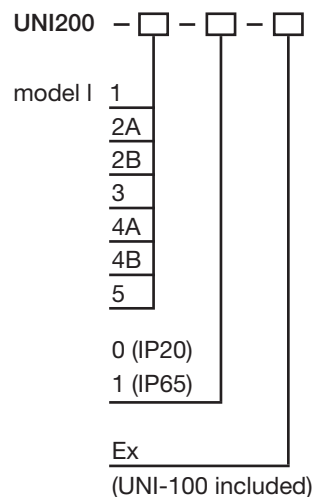
## DIMENSIONS



## ELECTRICAL TERMINALS



## SELECTION GUIDE



All models have a 2-line LCD display, presenting flow rate and accumulated volume. There also is scalable output as standard.

### Model:

- 1: no extra
- 2A: analogue output 4-20 mA
- 2B: analogue output 0-10 V
- 3: key board to reset accumulated volume
- 4A: key board + analogue output 4-20 mA
- 4B: key board + analogue output 0-10 V
- 5: key board + analogue output + PT compensation function with pressure and temperature input terminals. Incl. analogue output 4-20 mA