

E-DB-10 SERIES FLOW COMPUTER



DESCRIPTION

E-DB-10 Series Flow Computer is designed using new generation micro-controllers for flow measurement needs with temperature and pressure compensation. E-DB-10 Series dimensions are 96 x192 mm, conforming to IEC/TR 60668. The instrument's universal inputs and outputs can be easily programmed by the user.

The unit has a 4 digit flow rate and 8 digit totalizer display.

The relationship between the analog input and flow rate can be programmed as either a linear function or square root function. The engineering unit of flow rate can be selected as units/second, units/minute, units/hour.

MAIN FEATURES

- High reading sensitivity with 16 bit resolution
- Temperature & pressure compensation
- Infinite lifetime and high isolation voltage semiconductor multiplexer relay
- Standard RS485 MODBUS communication interface.
- 2 alarm relay outputs.
- Optional current output
- Programmable display
- Possibility of connecting up to 31 instruments to a PC by the same communication line.
- Distributed system structure.

TECHNICAL SPECIFICATIONS

Accuracy Class	0.5
Display Resolution	1/9999
Display	9 Digit LED (14 mm)
A/D Conversion	16 bit
D/A Conversion	12 bit
Display Scan Time	1-99 second
Noise Suppression	120 dB 50 Hz
Operating Temperature	-10 ... 55°C
Set Adjustment	Between set point limits
Control Form	Low (LO) or High (HI)
Dead Band (Hysteresis)	0-9999 EU*
Power Supply	85-265 V AC / 85-375 V DC 20-60 V AC / 20-85 V DC
Power Consumption	Max. 7 W
Relay Output	NA Contact 250 V AC 5 A
Input Signal	mA, mV, Ω
Sensors	Flow meters (ΔP) Pressure transmitters Resistance thermometer
Memory	EEPROM max. 10^5 writing
Weight	650 gr

* (EU) is the same as that of the unit being controlled.

ORDERING GUIDE

E-DB-10 Series Flow Computer

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Standard Features

- 3 analog inputs
 - 1- Flow rate
 - 2- Pressure
 - 3- Temperature

Relay Outputs

- None 0
- 1 relay output (1xNO-0) 1
- 2 relay outputs (2xNO-0) 2

Analog Outputs

- None 0
- 1 re-transmission output (4-20mA) 1

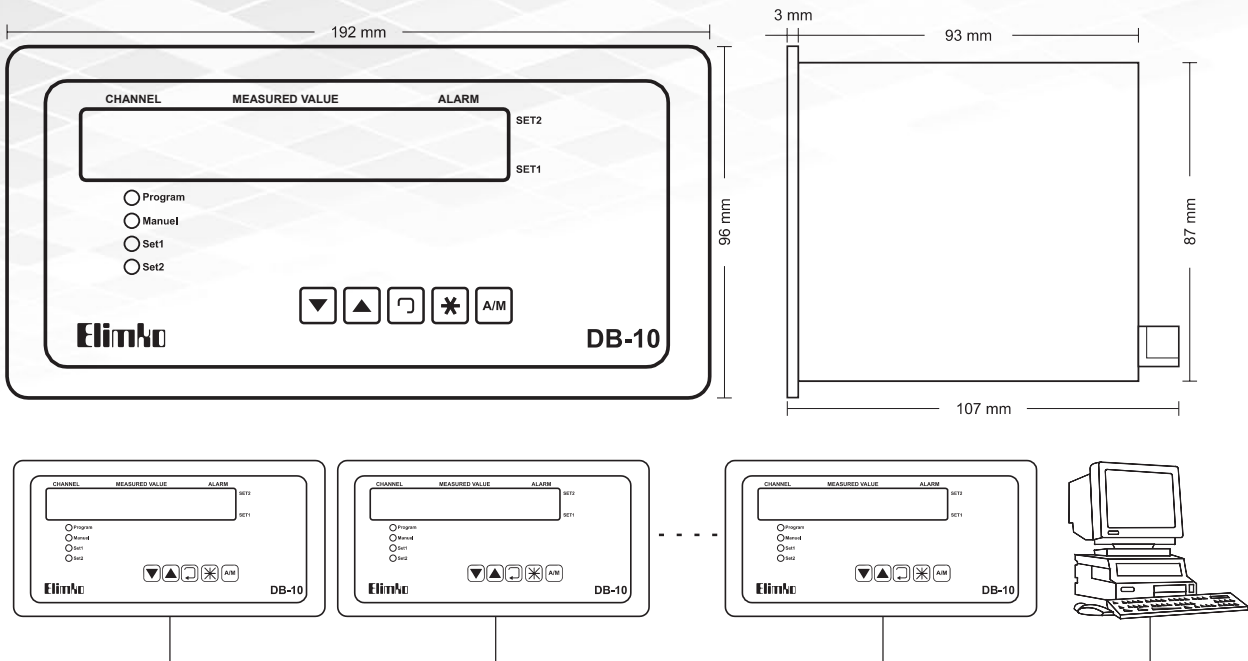
Communication

- None 0
- RS485 Modbus 1

Power Supply

- 85-265 V AC / 85-375 V DC 0
- 20-60 V AC / 20-85 V DC 1

DIMENSIONS



Panel cut-out = 90 x 185 mm



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