Kübler

LED Process Controllers – Type 573

The process controller with 2 analogue inputs can be used both in single channel mode as well as in dual channel. In dual channel mode, all arithmetic operations are available for displaying sum total, difference, ratio or the product. Inputs and outputs can be scaled separately.

AC/DC										
17... 260 V	DIN 48 x 96	IP 65	ProG	(glove)	mA, V	6 LED	Tare	mA, V	2	
Supply voltage AC/DC	DIN front panel	High IP value	Menu-driven programming	Operation with gloves	2 Inputs	6 LEDs	Tare-Function	Output	Transistor-Output	

Innovative:

- 2 separate freely scalable analogue inputs +/-10 V, 0 ...10 V and 0/4 ... 20 mA, Resolution 14 bit
- Tare function – the unit can be set to 0 for any input voltage
- Programmable linearization: with up to 16 control points, input via key-pad or via the Teach-In function
- Averaging measurement over 2 to 16 measuring cycles, for use with serious fluctuations of the input signals
- Easy to programme - the desired display value is simply keyed-in for a specific input signal
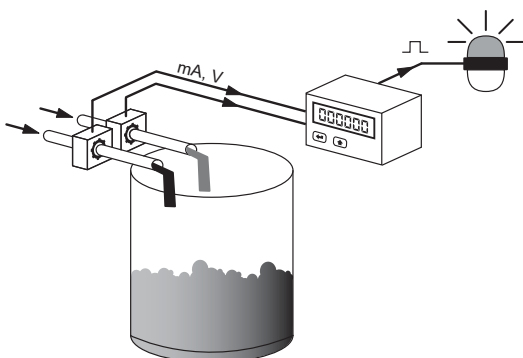- Fast 25 ms sampling rate per channel alternating

Compact:

- Up to 3 display values in one device, display A, display B + display calculated based on A and B
- AC and DC supply voltages in one device
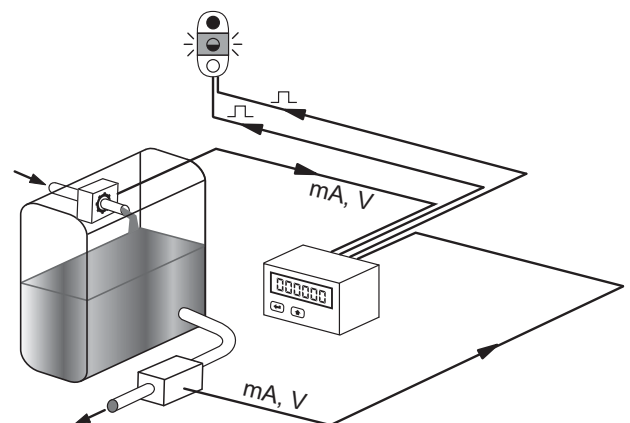- Simple menu-driven programming with just 2 keys, as well as Tare or Teach-In key

Versatile:

- Can be used as a simple process signal converter, process controller (ON/OFF controller) or for complex measuring tasks where the relationship between two values, one to the other, must be monitored, calculated or further processed in a higher-level controller.
- Mathematical operation of the measured values of inputs A and B. The result can also if required be multiplied, divided or added to an offset value, in order to obtain the desired display value.
- Analogue output 0/4 ... 20 mA, +/-10 V or 0 ... 10 V
- 2 fast PNP switching outputs, 50 ms, with switching hysteresis, step or tracking preset
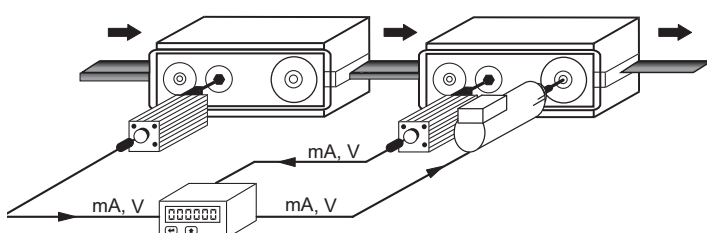- Programmable display refresh time

Application examples:

Monitoring of mixing ratios and display of flow rate

Level monitoring and adjustment, display of inflow and outflow

Material stretching, as well as monitoring of synchronous operation, with display of individual speeds
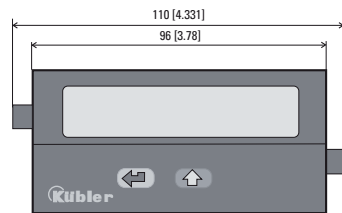
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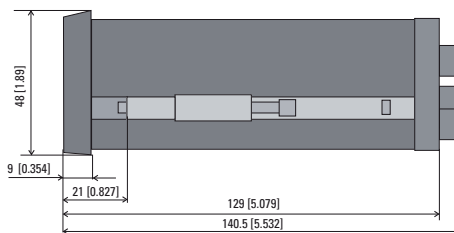|	
Supply-voltage:	17 ... 30 V DC (Nominal voltage: 24 V DC) 115/230 V AC ± 12.5 %
Power consumption [DC]:	18 V : 110 mA, 24 V: 90 mA 30 V: 80 mA
Connected load [AC]:	7,5 VA
Auxiliary power supply output for sensors:	24 V DC ± 15%, 100 mA (for AC and DC supply)
Display:	15 mm high LED display, 6 Digits
Inputs:	2 analogue inputs ($\pm$10 V, 0 ... 20 mA, 4 ... 20 mA)
Input resistance:	cúrrent: R_i = 100 Ohm, Voltage R_i = 30 kOhm
Measuring time per channel:	25 ms (alternating)
Resolution:	14 Bit (13 Bit + sign)
Accuracy:	±0.1% ± 1 digit
Outputs:	switching outputs: 2 x PNP, max. 35 V, max. 150 mA Response time max. 50 ms

Analogue output:	0 ... 20 mA, 4 ... 20 mA (max. 300 Ohm) -10 ... +10 V, 0 ... 10 V (max. 2 mA) response time max. 57 ms (analogue output 7 ms after detection of the measurement value)
Resolution:	14 Bit (13 Bit + sign)
Operating temperature:	0 ... +45 °C
Storage temperature:	–25 ... +70 °C
Housing:	Noryl UL94–V-0
Protection:	IP 65 front, IP20 rear
Connections:	signal max. 1.5 mm^2, AC supply max. 2.5 mm^2
EMC:	CE conform to EC directive 89/336/EWG
Standards:	EN 61 000-6-2/EN 61 000-6-3 NS73/23/EWG: EN 61010-1
Weight:	approx. 200 g

Dimensions:
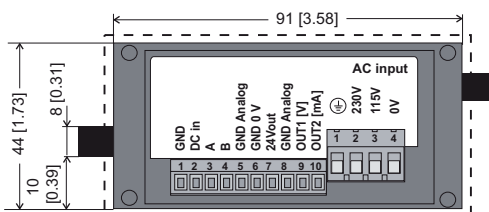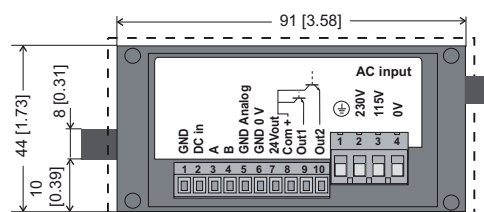

Panel cut-out 91 mm x 44 mm
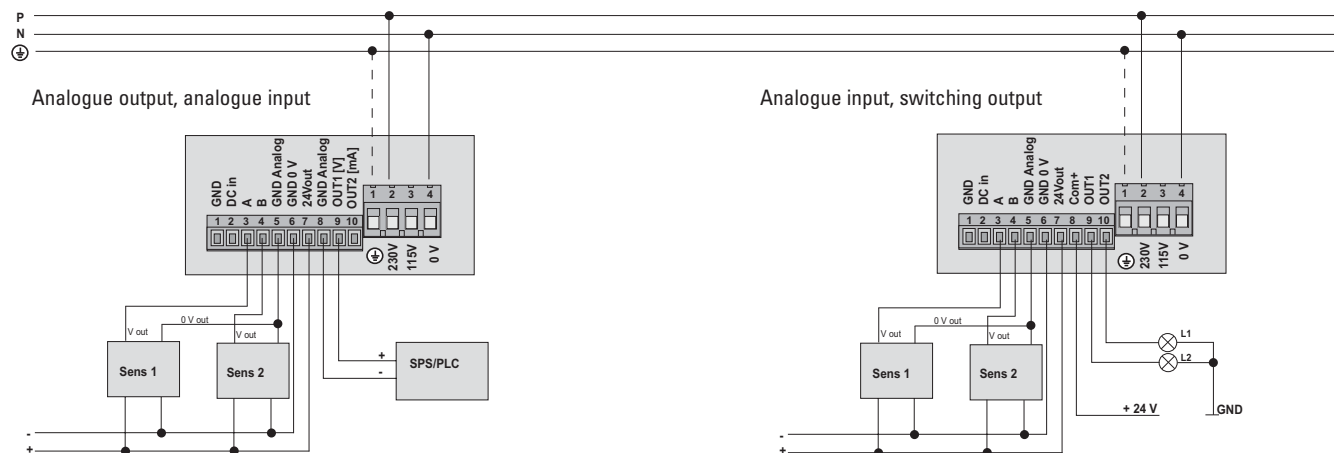
Accessories for DIN rail mount Order code: G 300 005

Terminal assignment:
with analogue output   with 2 outputs

Connection example:

Analogue output, analogue input

Analogue input, switching output

Delivery includes:
• Process Controller 573
• Gasket
• Mounting set

• Multilingual operating instructions, German /English

Order codes:
Display with 2 outputs   **Order code 6.573.011.E00***
Display with analogue output   **Order code 6.573.012.E90***

* Standard stock models

Process