

Multifunction devices

LED multifunction preset counters **Pulse, frequency, time (also reciprocal) – (AC+DC)** **571**



The multifunction preset counter 571 with its max. 100 kHz count frequency is ideal for fast counting tasks.

It can also be used as a tachometer, short time meter, stop-watch or to measure machine cycle times or throughput times.

Versions are available with 2 alarm outputs, analogue output or with serial interface.

This device is thus able to carry out virtually all count, measurement and control tasks.



AC/DC 17 ... 260V Power supply	Multifunction 100 kHz Clock frequency	max. 100 kHz Clock frequency	2 2 Optocoupler outputs	mA, V Analogue output	14 bit Resolution analogue output	RS 232/485 RS232/485 interface	IP65 High protection level	POSITION Position display	DIN 96 x 48 DIN front bezel	6 LED LED display
Menu-driven programming	Plug-in screw terminal									

Characteristics

- Fast count input, works with our Limes measuring system (100 kHz).
- Version with 2 optocoupler outputs for alarms.
- Version with scalable analogue output, resolution 14 bit, 0 ... 10 V, +10 ... -10 V, 0 ... 20 mA or 4 ... 20 mA.
- Version with serial interface RS232/485 for importing and exporting data.
- Sensor power supply 24 V DC, 150 mA.
- 96 x 48 mm DIN housing, IP65.

Benefits

- AC and DC power supply in one unit.
- Measuring function can be programmed for RPM, speed (from elapsed time), machine cycle time, throughput and baking time (time interval), as well as numerous count and stop-watch functions.
- Version with 2 optocoupler outputs; preset 2 can also be programmed as a tracking preset.
- Scaleable display, programmed via 2 keys.
- Large 15 mm high LED display, 6-digit, with adjustable brightness.

Order specifications

Display with:	Order-No.	Delivery specifications
2 optocoupler outputs	0.571.011.E00 ¹⁾	- Display 571
Analogue output	0.571.012.E90 ¹⁾	- Gasket
Serial interface RS232/485	0.571.012.E05	- Mounting kit
		- Plug-in screw terminals
		- Manual German/English

Accessories	Dimensions in mm [inch]	Order-No.
Mounting frame with cut-out 92 x 45 [3.62 x 1.77]	For snap-on mounting on 35 [1.38] top-hat DIN rail, for counters 96 x 48 [3.74 x 1.89]	grey G300005
OS32 software for parameter setting	can be downloaded at www.kuebler.com	

Suitable gaskets as well as further accessories can be found in the accessories section or in the accessories area of our website at: www.kuebler.com/accessories.

1) Stock types

Multifunction devices, electronic

LED multifunction preset counters Pulse, frequency, time (also reciprocal) – (AC+DC) 571

General technical data	
Display	LED display, 15 mm high 6 decades
Operating temperature	0°C ... +45°C [+32°F ... +113°F] (non-condensing)
Storage temperature	-25°C ... +70°C [-13°F ... +158°F]
Altitude	up to 2000 m [6562']

Electrical characteristics	
Power supply	16 ... 35 V DC (rated voltage 24 V DC) 115/230 V AC, ± 12.5 %
Current consumption DC	18 V 120 mA 24 V 95 mA 30 V 80 mA
Power consumption AC	7.5 VA
Auxiliary power supply output for sensors (for AC and DC supply)	24 V DC ± 15%, 120 mA
EMC	Immunity to interference EN 55011 class B Emitted interference EN 61000-6-2
Device safety	Designed to EN 61010 part 1 Protection class 2 Application area Pollution level 2

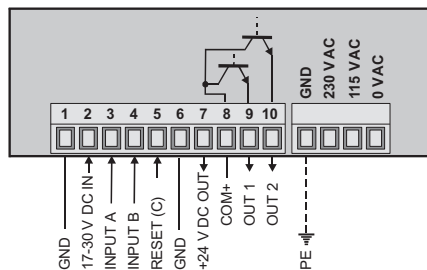
Mechanical characteristics	
Protection	IP65 (front side)
Weight	approx. 200 g [7.06 oz]

Inputs	
3 inputs	PNP, NPN and Namur A, B = pulse, C = reset
Max. input frequency	A, B 25 kHz (100 kHz for count) C 1 kHz
Input level HTL	LOW 0 ... 3.5 V HIGH 9 ... 35 V
Accuracy frequency	±1 ppm ±1 digit

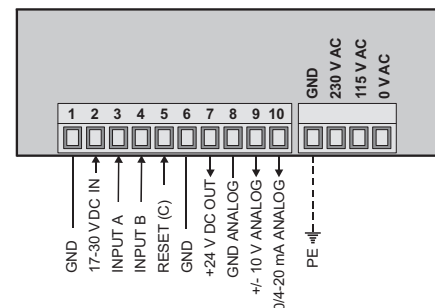
Outputs	
Analogue output (0.571.012.E90)	0 ... +10 V, +10 ... -10 V and 0 ... 20 mA, 4 ... 20mA
Resolution	14 bit + Sign
Accuracy	0.1 %
Optocoupler output (0.571.011.E00)	5 ... 35 V DC/150 mA
Interface (0.571.012.E05)	RS232 and RS485 acc. to ISO 1745 drivecom protocol

Terminal assignment

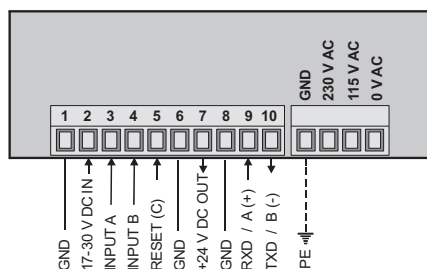
Display with 2 optocoupler outputs (0.571.011.E00)



Display with analogue output (0.571.012.E90)

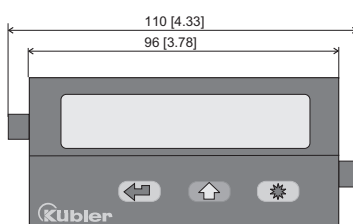


Display with serial interface (0.571.012.E05)



Dimensions

Dimensions in mm [inch]



Panel cut-out 92 x 45 [3.62 x 1.77]

