

## LED Frequency Meters – Codix 522

- Fast High Rate Accuracy System (HRA)
- Display scaleable 1/min or 1/sec



Easy menu-driven programming and operation

Possibility to enter the programming mode during operation, with authentication query

## Universal

- Individually programmable scaling Multiplication and division factor (0.0001 to 99.9999), to display corresponding engineering units, e.g. position in 1/10 mm and speed in RPM
- Programmable decimal point Can be set between 0.0 and 0.000 - this determines the resolution
- Programmable delay until 0 is displayed
- Display in 1/min or 1/sec
- DC power supply

Inputs

As an alternative to the HTL inputs, devices with a 4 ... 30 V DC input level are available, for use as parallel displays for PLCs

 Optional output For zero-speed monitoring

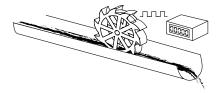
# **Applications for Speed and Frequency Displays**

- Rotary speed applications, e.g. OEM equipment or retrofitting to drilling machines
- OEM equipment for flow rate measuring, e.g. current flow rate; production data such as volume/time

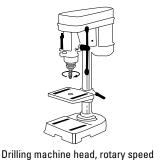
measurement is available after a max. of

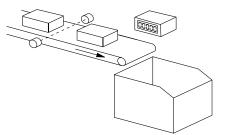
50 ms.

- Speed applications on motors, turbines, machines: feed-rate measurement
- Recording of production rates
- Frequency measurement



Mass flow rate





Production rate



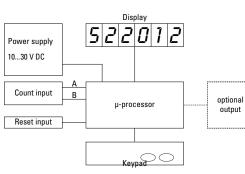
### LED Frequency Meters – Codix 522

#### **Technical data:**

Power	10 30 V DC,
supply:	with reverse polarity protection
Current consumption:	max. 50 mA
Display:	6-digit 7-segment red LED display;
	figures 8 mm [0.315"] high
Data retention:	EEPROM
Housing:	Dimensions 48 x 24 mm [1.89 x 0.945"]
	according to DIN 43 700; RAL 7021, grey
Polarity of the inputs:	programmable, npn or pnp
Input resistance:	approx. 5 k $\Omega$
Count frequency:	60 kHz, can be damped to 30 Hz
Measurement principle:	Measurement principle: Gate and/or time
	interval (period duration) measurement, with
	high accuracy <0.1% (HRA)

Level of the	Low: 0 0.2 x U <sub>B</sub> [V DC]
inputs:	High: 0.6 x U <sub>B</sub> 30 V DC
Level of inputs:	Low: 0 2 V DC
4 30 V DC version	High: 4 30 V DC
Optocoupler output:	Max. 30 V, 10 mA
Accuracy:	<0.1 %
Ambient temperature:	-20 +65 °C [4 149 °F] at Ub = 1026 V DC
	-20 +55 °C [4 131 °F] at Ub = >26 30 V DC
Storage temperature:	-25 +70 °C [–13 158 °F]
EMC:	Immunity to interference: EN55011 class B
	Emitted interference EN61000-6-2
Protection:	IP 65 front side
Weight:	approx. 50 g [1.764 oz]

#### Block diagram:



# with optocoupler (npn) 2 3 4 5 6 **Delivery specification:**

- 1 Panel mounting clip 1 Bezel for screw mounting,
- panel cut out 50 x 25 mm [1.969 x 0.984"] 1 Bezel for clip mounting,
- panel cut out 50 x 25 mm [1.969 x 0.984"]
- 1 Gasket

**Connection:** 

2 0 V GND

**Connection:** 

2 0 V GND

6 Emitter

7 Collector

1 Digital display

3 INP

4 \_ 5 \_

1 10 ... 30 V DC

3 INP 4

\_

5 \_

1 10 ... 30 V DC

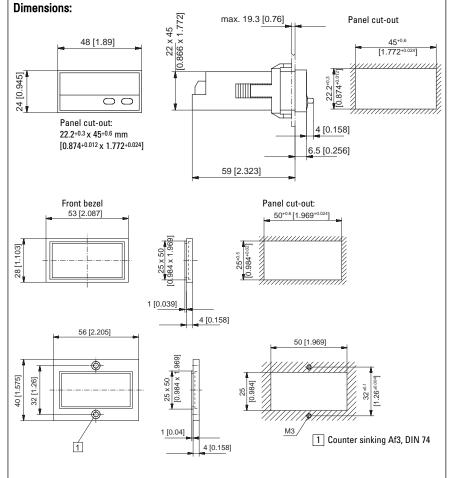
without optocoupler

1 Multilingual operating instruction

# Order code:

6.522.01X.3X0 Input switching level 0 = standard\* A = 4 ... 30 V DC level Output 1 = Optocoupler output 2 = No output\* \*standard stock model

Tachometers



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