

## Codix 544, Multipurpose device

- High count speed, numerous programming options
- Functions as per **CODIX**541 ... 543
- Separate multiplication and scaling factor for pulse and frequency counter

### Operating modes:

Display counter, adding and subtracting,  
Position display  
Frequency counter/Rate meter/Tachometer,  
Hour meter/Timer



NPN or PNP inputs,  
max. 60 kHz

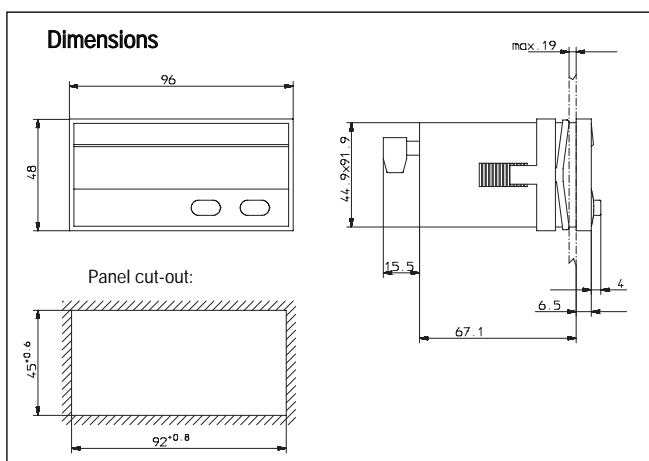
Big keys for use  
when wearing gloves

### Technical data

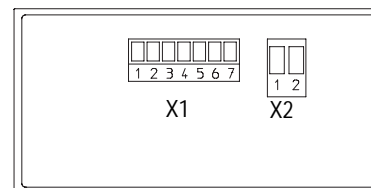
Supply voltage	10 ... 30 V DC, with reverse polarity protection 90 ... 260 V AC
Current consumption:	max. 50 mA, 6 VA
Display:	6 digit red 7 segment LED display; 14 mm high
Data backup:	EEPROM
Housing:	Dimensions 96 x 48 mm according to DIN 43 700; RAL 7021, grey
Polarity of Inputs:	programmable, npn or pnp for all inputs
Input resistance:	appr. 10 kΩ
Counting frequency*:	60 kHz, can be damped to 30 Hz depending on operating mode at position display max. 25 kHz
Reset time:	5 ms
Resolution timer:	up to 0.001 s
Input switching level (standard version):	DC-version Low: 0 ... 0.2 x U <sub>B</sub> [V DC] High: 0.6 x U <sub>B</sub> ... 30 V DC

	AC-version
	Low 0 ... 4 V DC
	High 12 ... 30 V DC
Input switching level (5 V version):	Low: 0 ... 2 V DC High: 4 ... 30 V DC
Voltage supply for sensors	24 V DC ±15 %/100 mA at AC-versions
Accuracy:	Tacho meter: <0,1 % Timer < 50 ppm
Ambient temperature:	-20 ... +65 °C, non-condensing
Storage temperature:	-25 ... +70 °C
EMC:	according to EC EMC directive 89/36/EWG
Immunity to interference:	EN 61 000-6-4/EN 55 011 class B
Emitted interference:	EN 61 000-6-2
Protection:	IP65 (from front)
Weight:	appr. 150 g

\*for further specifications please refer for the manual



### Connection :



#### Connection X2

Pin	AC-Version	DC-Version
1	90 ... 260 V AC	0 V DC (GND)
2	90 ... 260 V AC	10 ... 30 V DC

#### Connection X1

Pin	AC-Version	DC-Version
1	Optocoupler output Emitter	
2	Optocoupler output Collector	
3	SET	
4	INP B	
5	INP A	
6	GNDout	n.c.
7	+24 Vout	n.c.

### Order code:

**6.544.01X.XX0**

Output  
1 = Optocoupler output  
2 = no output

Input switching level  
0 = Standard level  
A = 5 V level

Voltage supply  
0 = 90 ... 260 V AC  
3 = 10 ... 30 V DC

### Scope of delivery:

Digital display  
Mounting clip  
Seal

Multilingual operating instructions