



540  
-  
548

4.99.2\_gb

## LED - Product family CODIX 540-548

Pulse counters, Positioning displays, Tachos, Time Meters  
and combinations

- LED Display with very high luminosity
- Character height: 14 mm
- DIN housing 96 x 48 mm, only 47 mm built-in depth
- Combinations reduce mounting and purchase cost
- Saving of time due to easy programming
- Easy and secure programming when wearing gloves



# Always the right choice...

Our family principle: The right device for every application



## Highlights:

- 96 x 48 mm DIN housing, 67 mm built in depth
- 6 digit LED display with very high luminosity and 14 mm character height, no purchase of expensive large displays needed
- Easy and secure programming with only 2 keys (although when wearing gloves)
- Connection via plug-in screw terminal
- IP 65 (front)
- Input pulse shape variable (Schmitt Trigger characteristics)
- Combinations reduce mounting and purchase cost

## **CODIX** Totaliser, frequency meter, time meter and combinations:

Type	540	541	542	543	544	545	546	547	548
Operating mode									
Totaliser add.	x						2x		
Position indicator		x			x				
Tachometer/frequency meter/			x		x	x			
Time meter/short time meter				x	x			x	
Totaliser and tachometer						x			
Totaliser and time meter								x	
Two time meters									x
Optocoupler (optional)		x	x	x					

Also available with 48 x 24 mm DIN-housing

Situation 4.99. The **CODIX** family is constantly been extended.

## **CODIX 540**

### Simple totaliser

- Display range 0..999 999 with leading zero blanking
- Overflow condition will be indicated by displaying the count value with leading zeros
- Count frequency up to 20 kHz (can be damped to 30 Hz in set up)
- SET-key resets the counter to zero (can be disabled in set up)
- 1 count input
- 1 reset input
- **Order code:**  
6.540.012.X00

Supply voltage  
0 = 90..260 VAC  
3 = 10..30 VDC

## **CODIX 541**

### Totaliser and position indicator

- Display range -199 999..0..999 999 with leading zero blanking
- Overflow condition will be indicated by flashing of the displayed count value with a frequency of 1 Hz (up to one decade over- or underflow won't cause pulse losses)
- Count frequency up to 20 kHz (can be damped to 30 Hz in set up)
- SET-key resets the counter to a programmable set value (can be disabled in set up)
- 2 count inputs
- one reset input
- Scaling factor (0.0001...99.9999)
- Option: optocoupler output if count value  $\leq 0$
- Counting with direction input, differential counting, counting with quadrature input (also with pulse doubling)
- **Order code:**  
6.541.01X.X00

Supply voltage  
0 = 90..260 VAC  
3 = 10..30 VDC  
Outputs  
1 = optocoupler  
2 = no output

## **CODIX 542**

### Frequency meter and tachometer

- Display range 0..999 999 with leading zero blanking
- Indication in 1/s or 1/min (programmable)
- Overflow condition will be indicated by flashing of the displayed count value with a frequency of 1 Hz
- Count frequency up to 20 kHz (can be damped to 30 Hz in set up)
- 1 count input
- Operating principle: period duration measurement (average value at high frequencies)
- Option: optocoupler output if frequency  $f=0$  (e.g. *no operation* indicator)
- Scaling factor (0.0001...99.9999)
- **Order code:**  
6.542.01X.X00

Supply voltage  
0 = 90..260 VAC  
3 = 10..30 VDC  
Outputs  
1 = optocoupler  
2 = no output

## CODIX 543

### Hour meter and short time meter

- Display range 0..999 999 with leading zero blanking
- Active counting will be indicated by flashing of the lowest digit's decimal point.
- Timing in s, min, h or h.min.s (programmable)  
Decimal point fixes the resolution
- Resolution: 0.001 s !
- SET-key resets the counter to zero (can be disabled in the set up)
- Gate, Start and Stop via two inputs (programmable)
- 1 reset input
- Operating mode: hour meter or short time meter (depending on resolution)
- Option: optocoupler output (e.g. *operation* indicator)
- **Order code:**  
6.543.01X.X00

┌ Supply voltage  
   0 = 90..260 VAC  
   3 = 10..30 VDC  
 └ Outputs  
   1 = optocoupler  
   2 = no output

## CODIX 544

### Multipurpose device

- 541-543 in just one device. Operating mode can be programmed
- **Order code:**  
6.544.01X.X00

┌ Supply voltage  
   0 = 90..260 VAC  
   3 = 10..30 VDC  
 └ Outputs  
   1 = optocoupler  
   2 = no output

## CODIX 545

### Totaliser and rate meter

- Display range 0..999 999 with leading zero blanking
- Overflow condition of the rate meter will be indicated by flashing of the displayed count value with a frequency of 1 Hz; overflow condition of the totaliser will be indicated by displaying the count value with leading zeros
- Indication in 1/s or 1/min (programmable)
- Count frequency up to 20 kHz
- SET-key resets the totaliser to zero when displayed (can be disabled in set up)
- 2. key to switch over between the two functions
- 1 count input
- 1 reset input
- Separate scaling factors for counter and rate meter (0.00001...99.9999)
- Operating mode:  
Rate meter: period duration measurement (average value at high frequencies)
- **Order code:**  
6.545.012.X00

┌ Supply voltage  
   0 = 90..260 VAC  
   3 = 10..30 VDC

## CODIX 546

### Two totalisers

- Display range 0..999 999 with leading zero blanking
- Overflow condition will be indicated by displaying the count value with leading zeros
- Count frequency up to 20 kHz
- SET-key resets the counter to zero (can be disabled in the set up for each totaliser separately)
- 2. key for switching over between display of counter 1 and 2
- One count input
- One reset input (programmable for each totaliser separately in set up)
- Scaling factor
- **Order code:**  
6.546.012.X00

┌ Supply voltage  
   0 = 90..260 VAC  
   3 = 10..30 VDC

## CODIX 547

### Totaliser and time meter

- Display range 0..999 999 with leading zero blanking
- Active counting will be indicated by flashing of the lowest digit's decimal point; overflow condition will be indicated by displaying the count value with leading zeros
- Totaliser: Decimal point only optical function  
Time meter: Timing in s, min, h or h.min.s (programmable).  
Decimal point fixes the resolution
- SET-key resets the counter to zero (can be disabled for each channel separately in set up)
- 2. key for switching between totaliser and time meter
- Count frequency up to 20 kHz
- One count input
- Gate, Start and Stop via two inputs (programmable)
- One reset input (programmable for totaliser and time meter separately in set up)
- Scaling factor
- **Order code:**  
6.547.012.X00

┌ Supply voltage  
   0 = 90..260 VAC  
   3 = 10..30 VDC

## CODIZ 548

### Two time meters

- Display range 0..999 999 with leading zero blanking
- Active counting will be indicated by flashing of the lowest digit's decimal point; overflow condition will be indicated by displaying the count value with leading zeros
- Timing in s, min, h or h.min.s (programmable)  
Decimal point fixes the resolution
- SET-key resets the counter to zero (can be disabled in set up)
- 2. key for switching between display of time meter 1 and 2
- Gate, Start and Stop via two inputs (programmable)
- One reset input (programmable for each counter separately in set up)
- **Order code:**  
6.548.012.X00

┌ Supply voltage  
   0 = 90..260 VAC  
   3 = 10..30 VDC

