

## Programmable Totalizing Counter Model CF 2700

### Highlights

- LED Display 14 mm, 4 decades
- DIN Housing 72 x 36 mm
- Switchboard- or Mosaic System Mounting
- Isolated Power Supply
- Plug-In Screw Terminal
- Limit Value Output (Optocoupler)

### Standard functions

#### Modes

- Time meter with start and stop-input
- Pulse counter with direction-input
- Cycle duration measurement
- Pulse duration measurement
- Frequency measurement up to 10 kHz
- Revolution per minute
- Hour meter
- Tachometer in m/s or km/h

#### Software functions

- Scaling factor 0,001 .. 9,999
- Offset value for count mode
- Count frequency 25 Hz, 7 kHz programmable
- Programmable decimal point
- Autoranging
- Last digit in 1, 2, 5 or 10 steps
- Display test
- Limiting value functions

#### Digital input channels

The instrument is provided with four digital input channels. The input channels are low active. The digital input channels are carried out following functions:

- Programming
- Display test

#### Limiting value output (optocouple)

The instrument is provided with a optocouple output for limiting value indication. Following functions can be programmed:

- Alarm point and hysteresis
- High or low alarm



#### Power supply

- 18 .. 36 V DC isolated
- optional 12 V DC isolated
- optional 5 V DC isolated

#### Programming

The programming is easy and clearly arranged. By means of a programming menu the user is taken through this programming. The programming is carried out through the digital input channels.

#### Options

##### Housing

- Switch board mounting DIN 43700
- Mosaic system mounting (Siemens 8RU)

##### Colour of the front frame

- Black

##### Design of the front

- Without front foil
- Front foil ERMA-METER
- Front foil NEUTRAL
- Unit overprint

##### Display colour

- Red
- Green

## Technical data

Display	: 4 decades, 14 mm, red (opt. green)
Display range	: -999 .. 9999
<b>Measuring ranges:</b>	
Time meter	: 10 ms .. 999,9 s
Pulse counter f <sub>max</sub>	: 25 Hz, 7 kHz programmable
Cycle duration	: 10 ms .. 999,9 s
Pulse duration	: 10 ms .. 999,9 s
Frequency	: 0,6 Hz .. 9,999 kHz
Revolution	: 42 .. 9999 U/min
Hour meter	: 0,02 h .. 999,9 h
<b>Tochometer:</b>	
Resolution	: 0,01 m/s or 0,1 km/h
Distance	: 1 m fix or variable
<b>Digital input channels</b>	
Low level	: < 0,4 V
High level	: > 3,5 V, max. 30 V
<b>Input resistance:</b>	
Input 3-6	: 10 kΩ to +5V
Input 7	: 10 kΩ to GND
<b>Limit value output</b>	
	: optocoupler
	: max. 10 mA, 70 V, max. 150 mW
<b>Power supply DC</b>	
	: 18 V to 36 V DC, isolated
optional	: 12 V DC, ± 10 %, isolated
optional	: 5 V DC, ± 10 %, isolated
<b>Power consumption</b>	
(18 .. 36 V DC)	: approx. 65 mA (red)
	: approx. 75 mA (green)
<b>Housing</b>	
Dimensions	: switch board mounting DIN 43700
Depth	: 72 x 36 x 62 mm
Protection	: < 72 mm incl. screw terminal
	: front IP 40
<b>EMV</b>	
Operating temperature	: in conform with 89/336/EWG
	: 0 .. 50 °C

## Ordering information

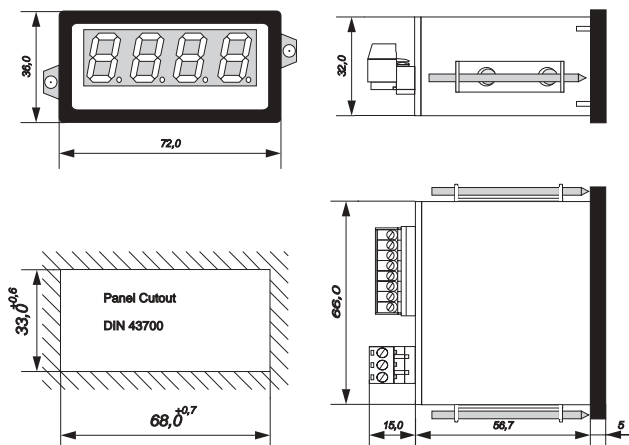
<b>CF 2700 -</b>					
<b>Housing</b>					
0 Switch board mount					
1 Panel clip					
<b>Front frame colour</b>					
0 Black					
<b>Front design</b>					
0 Without front foil					
1 Front foil ERMA-METER					
2 Front foil NEUTRAL					
<b>Display colour</b>					
0 Red					
1 Green					
<b>Power supply</b>					
0 5 V DC, ± 10%, isolated					
1 12 V DC, ± 10 %, isolated					
2 18 .. 36 V DC, isolated					

## Unit overprint

Please specify in clear text at order !

## Dimensions

### Switch board mounting



### Panel clip

