

■ Programmable Totalizing Counter Model CF 7000

Highlights

- LED Display 45 mm, 4 decades
- DIN Housing 192 x 72 mm
- Switchboard- or Mosaic System Mounting
- Isolated Power Supply
- Plug-In Screw Terminal
- 2 Alarm Relay Outputs

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 .. 10,000
- 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

Alarm relay outputs

The instrument is provided with two alarms with relay output. For each alarm point there can be programmed following functions:

- 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 (Subklev)

Colour of the front frame

- Black

Display colour

- Red

Technical data

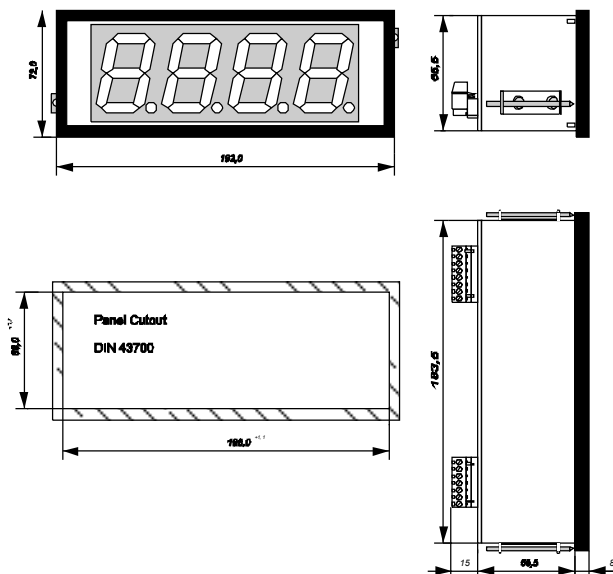
Display	: 4 decades, 45 mm, red
Display range	: -999 .. 9999
Measuring ranges:	
Time meter	: 10 ms .. 999,9 s
Pulse counter f _{max}	: 25 Hz, 7 kHz programmable
Cycle duration	: 10 ms .. 999,9 s
Pulse duration	: 10 ms .. 999,9 s
Frequency	: 0,6 Hz .. 9,999 kHz
Revolution	: 42 .. 9999 U/min
Hour meter	: 0,02 h .. 999,9 h
Tochometer:	
Resolution	: 0,01 m/s or 0,1 km/h
Distance	: 1 m fix or variable
Digital input channels	
Low level	: < 0,4 V
High level	: > 3,5 V, max. 30 V
Input resistance:	
Input 3-6	: 10 kΩ to +5V
Input 7	: 10 kΩ to GND
Limit value (relays)	
VA	: AC max. 5 A, max. 250 V, 1250
	: DC max. 5 A, max. 250 V, 100 W
Power supply DC	
optional	: 18 V to 36 V DC, isolated
optional	: 12 V DC, ± 10 %, isolated
optional	: 5 V DC, ± 10 %, isolated
Power consumption	
(18 .. 36 V DC)	: approx. 70 mA (red)
Housing	
Dimensions	: switch board mounting DIN 43700
Depth	: 192 x 72 x 63,5 mm
Protection	: < 72 mm incl. screw terminal
	: front IP 40
EMV	
Operating temperature	: in conform with 89/336/EWG
	: 0 .. 50 °C

Ordering information

CF 7000 -	
	Housing
0	Switch board mount
1	Panel clip
Front frame colour	
0	Black
Front design	
0	Without front foil
Display colour	
0	Red
Power supply	
0	5 V DC, ± 10%, isolated
1	12 V DC, ± 10 %, isolated
2	18 .. 36 V DC, isolated

Dimensions

Switch board mounting



Panel clip

