

CI-420 DFD-2



Operation

The measuring converters CI-420 and DFD-2 are converting a frequency signal into an analog signal or into a standard count pulse.



Application

The CI-420 and DFD-2 measuring converters work together with the positive displacement meter COVOL for flow measurement or volume counting of liquids.

Features

The series proves itself through reliable function and easy handling. Further characteristics of these types are:

- Easy mounting (on mounting rails according to DIN 47667 / EN 50.022/50.035)
- High temperature range

Installation hints

The operating instruction for CI-420 and DFD-2 must be observed under any circumstances!

Technical data

Frequency / analog converter CI-420

The measuring converter CI-420 transforms the frequency signal of the positive displacement meter COVOL into a 0 to 20 or a 4 to 20 mA signal. The adjustment will be made by jumpers and decade-switches



Technical data	
Power supply	110, 220-240, 24 V AC at 50-60 Hz, 12, 24 V DC
Power consumption	< 1 VA
Signal input COVOL	reed contact, 0...100 Hz
Switch off frequency	0,04 Hz
Accuracy	0,2 % of full scale
Temperature range	-10 °C...+60 °C
Analog output with 12 bit or 16 bit resolution	0-20, 4-20 mA 0-5, 0-10, 1-5, 2-10 V DC
Mounting	on mountig rail according to DIN 46277 / EN 50.022 / 50.035
Standard	adaptive filter for stable output signal

Frequency converter DFD-2

The DFD-2 converts the frequency signal from the positive displacement meter COVOL into a standard count pulse. The adjustment will be made by jumpers and decade switches. For example, the COVOL signal output of 8,77 pulses per litre, can be converted from the DFD-2 into one puls per m³, depending on the settings.



Technical data	
Power supply	110, 220, 240, 24 V AC at 50-60 Hz, 12, 24 V DC
Power consumption	< 1 VA
Signal input COVOL	reed contact, 0...100 Hz
Accuracy	No lost pulses
Temperature range	-10 °C...+60 °C
Input / output range	0,00000001...0,9999
Signal output	TTL (5 V), optoisolated max. 30 V, 50 mA, square wave (50 %)
Pulswidth (output)	0,5 ms, (standard, on request: up to 1 s)
Mounting	on mountig rail according to DIN 46277 / EN 50.022 / 50.035

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