

CTFP_U10

FREQUENCY/VOLTAGE PRECISION CONVERTER



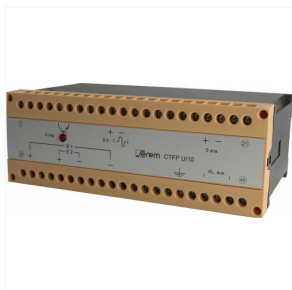
DESCRIPTION

Transmission and conversion signals problems must be handled effectively.

The accurate voltage-to-frequency converter CTFP makes this possible with a very high precision level, a low temperature drift and a high galvanic isolation.

The CTFP provides:

- an amplified frequency output for long distance transmission,
- an impulse output which can be used for counting, and
- an optional 0-20mA or 4-20mA analog output.



FEATURES

INPUT 1 - voltage

- 0-1800V
- 0-1500V
- 0-1200V
- 0-100V
- 0-50V
- 0-1V
- 0-100mV
- 0-10mV to 0-100V
- 0-101V to 0-2000V
- +-1800V
- +-1500V
- +-1200V
- +-100V
- +-50V
- +-1V
- +-100mV
- Specific : +-10mV to +-100V
- High Voltage Input : +-101V to +-2000V

- 0-20mA
- 0-20mA

OUTPUT 1 - voltage

- 0-24V
- +-24V

OUTPUT 1 - frequency

- 0-10kHz
- Specific : 0 - 1kHz to 14kHz
- 0 - 24V or ±24V (configuration by micro-switch)
- accuracy: > 0,1% L between 10 and 100% of FS
- non linearity: < 0,005%
- temperature drift: < 15ppm/°C
- response time: 60ms to 95% (possible up to 1ms)
- min. impedance of charge: 200?

OUTPUT 2 - voltage

- 0-20mA (configuration by micro-switch)
- accuracy: > 0,1% L between 10 and 100% of FS
- non linearity: < 0,01%
- temperature drift: < 50ppm/°C
- response time: 60ms to 95%

PRICE On quote only

WEB LINK [Click here](#)

SECTOR ALUMINIUM & ALKALI
ELECTROLYSIS | ENERGY |
USAGE ALL INDUSTRIES
ALUMINIUM ELECTRICAL TEAM

WEIGHT 1.3 Kg

LENGTH 121 mm

WIDTH 200 mm²

HEIGHT 73 mm³ (µl)

CUSTOMS CODE 90 30 39 00 91

C. OF ORIGIN France

GUARANTEE 1 year

CERTIFICATION CE

CONTACT commercial@serem-electronics.com

- max. impedance of charge: 750?
- 4-20mA (configuration by micro-switch)
- accuracy: > 0,1% L between 10 and 100% of FS
- non linearity: < 0,01%
- temperature drift: < 50ppm/°C
- response time: 60ms to 95%
- max. impedance of charge: 750?
- no output 2

OTHER FEATURES

- Impulse Output : default 1000 Imp/h
- "open collector" type 1A / 50V maximum
- pulse width: 100ms
- ratio: from 2¹ to 2¹? (configuration by micro-switch)

OPTION

- Option : 2nd input 0-1V to test
- Option : high voltage overload protection for inputs < 100V
- no option

POWER SUPPLY

- 230VAC
- 115VAC
- 90 to 260VAC or 125 to 350VDC

GALVANIC ISOLATION

• > 3 000 Vrms for: ana IN/OUT, fr IN/OUT, imp IN/OUT, supply IN/OUT, GND IN/OUT

> 1 500 Vrms for: Supply / GND

TEMPERATURE RANGE

- -25 to 70°C

TEMPERATURE OF CALIBRATION

- 20 to 25°C

MAGNETIC FIELDS

- up to 150 Gauss in X, Y, Z dimensions

CASING

- Polycarbonate box for DIN profile with junctions by screw terminals (2 x 21 pins)