

## CTFP\_U50

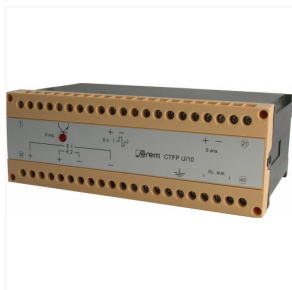
## FREQUENCY/VOLTAGE PRECISION CONVERTER



### 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,
- an optional 0-20mA or 4-20mA analog output.



### FEATURES

#### INPUT 1 - voltage

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

#### OUTPUT 1 - frequency

- 0-50kHz
- Specific : 0 - 10kHz to 50kHz - 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%
- 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%

PRICE	On quote only
WEB LINK	<a href="#">Click here</a>
SECTOR	ALL INDUSTRIES
USAGE	ALUMINIUM ELECTRICAL TEAM
WEIGHT	1.3 kilogramme
LENGTH	121 mm
WIDTH	200 mm
HEIGHT	73 mm
CUSTOMS CODE	90 30 33 70
C. OF ORIGIN	France
GUARANTEE	1 year
CERTIFICATION	CE
CONTACT	<a href="mailto:commercial@serem-electronics.com">commercial@serem-electronics.com</a>

- 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 2<sup>1</sup> to 2<sup>1</sup>? (configuration by micro-switch)

#### **OPTION**

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

#### **POWER SUPPLY**

- 115VAC
- 230VAC
- 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)