

## NA200-P Current Transducer

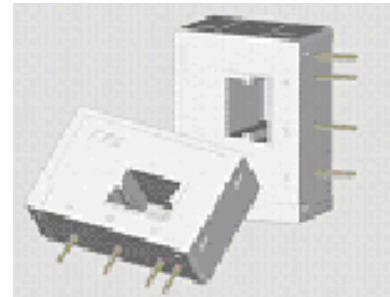
### Applications:

For the electronic measurement of currents: AC, DC IMPL.,etc.,with galvanic isolation between the primary (high power) and the secondary (electronic) circuits.

### Main technical data:

1. Primary normal current  $I_{PN}$ : 200A r.m.s
2. Primary current, measuring range  $I_p$ : 0~+/-300A
3. Measuring resistance:

		$R_{Mmin}$	$R_{Mmax}$ (70°C)	$R_{Mmax}$ (85°C)
with ±12V	@ ±200A max:	0 Ω	30 Ω	26 Ω
with ±15V	@ ±200A max:	0 Ω	60 Ω	56 Ω
	@ ±300A max:	0 Ω	12 Ω	8 Ω



4. Secondary normal current: 100mA rms
5. Conversion ratio: 1:2000
6. Supply voltage (+/-5%): +/-12V~+/-15V
7. Current consumption: 16mA (@+/-15V) + Secondary output current
8. Isolation test: Between the primary circuit to the secondary circuit: 3kVrms/50Hz/1min

### Accuracy – Dynamic performance data:

1. Accuracy @  $I_{PN}$ ,  $T_A=+25^\circ\text{C}$ , @ +/-12V~+/-15V: +/-0.6%
2. Non-linearity: better than +/-0.15%
3. Offset current: not more than +/-0.2mA(@+25°C)
4. Residual current @  $I_p=0$ , after an overload of  $3xI_p$ : +/-0.25mA
5. Thermal drift: +/-0.25mA(0°C ~+70°C)  
+/-0.30mA(-25°C ~+85°C)
6. Reaction time @ 10% of  $I_{Pmax}$ : less than 500ns
7. Response time @ 90% of  $I_{Pmax}$ : ≤ 1us
8. dI/dt accurately followed: better than 200A/us
9. Frequency Bandwidth (-1dB): DC 0~100kHz

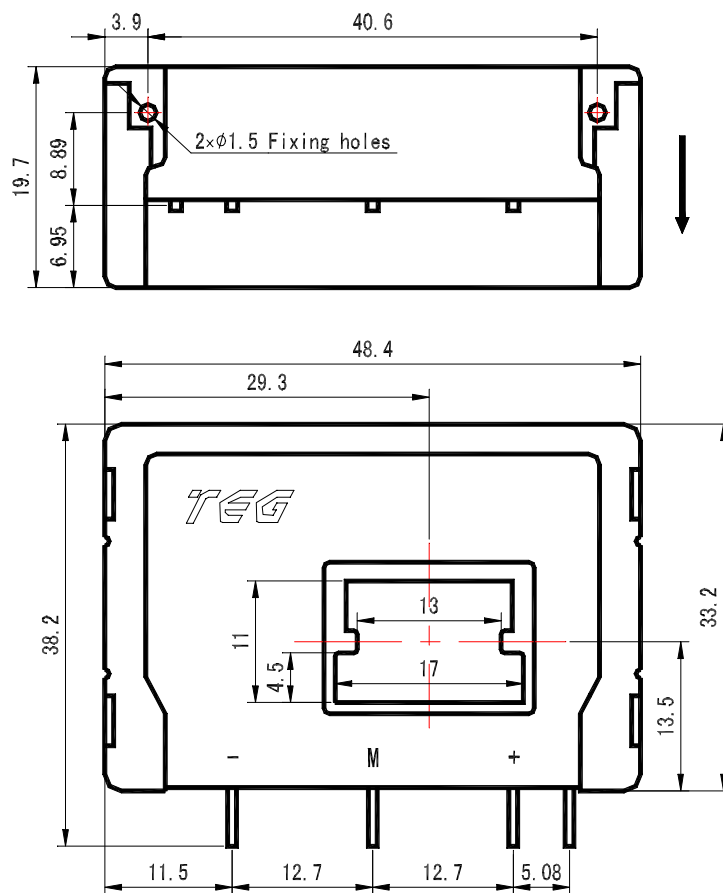
**General data:**

1. Operating temperature:  $-25^{\circ}\text{C}\sim+85^{\circ}\text{C}$
2. Storage temperature:  $-40^{\circ}\text{C}\sim+90^{\circ}\text{C}$
3. Secondary coil resistance: not more than 80 ohm
4. Weight: 55g
5. Standards: EN50178: 1997

**Features:**

1. Hall effect measuring principle
2. Galvanic isolation between primary and secondary circuit
3. Insulated plastic case made of white PPO recognized according to UL 94-V0
4. The whole current transducer comply with RoHS Directive completely

**Dimension:**



**Connection:**

