# AC1030 • 30 Amp Current Transformer

## Low Cost 50/60Hz Current Transformers

**Applications**

- Sensing Overload Current
- Ground fault detection
- Metering
- Analog to Digital Circuits

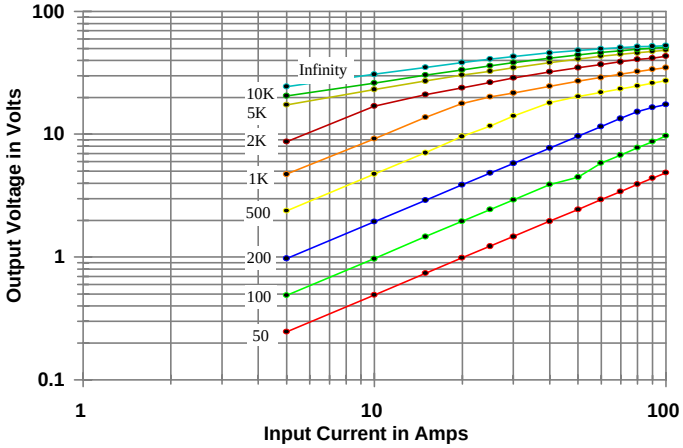



**Electrical Specifications @ 20°C ambient**

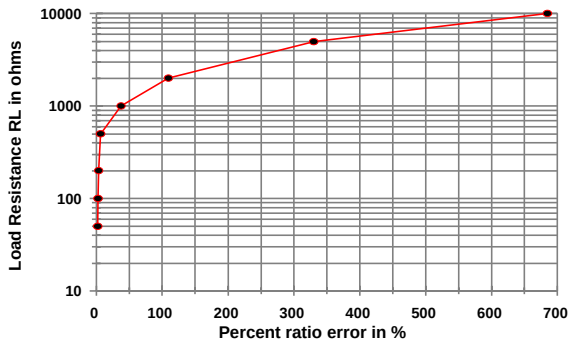
| Electrical Specifications | |
|---|---|
| Primary Current | 30A nom., 75A max. |
| Turns Ratio | 1000:1 nominal |
| Volt per Amp Ratio at 30A for 100 ohm load | 0.100 V/A |
| Volt per Amp Ratio at 3A for 100 ohm load | 0.098 V/A |
| DC Resistance at 20°C | 48 ohms |
| Dielectric Withstanding Voltage (Hi-pot) | 4KVrms |
| **Mechanical Specifications** | |
| Case | Polycarbonate |
| Encapsulant | Epoxy |
| Flammibility | Conforms to UL94-VO |
| Terminals | Pins Ø 1.0mm |
| Marking | TALEMA<br>Date Code (W/Y)<br>AC1030, Dot at start pin |
| Approximate Weight | 35.5 grams |
| Tolerance | ±0.2mm |

| Environmental Specifications | |
|---|---|
| Storage Temperature | -55° to +130°C |
| Insulation Resistance | 100 megohms min. |

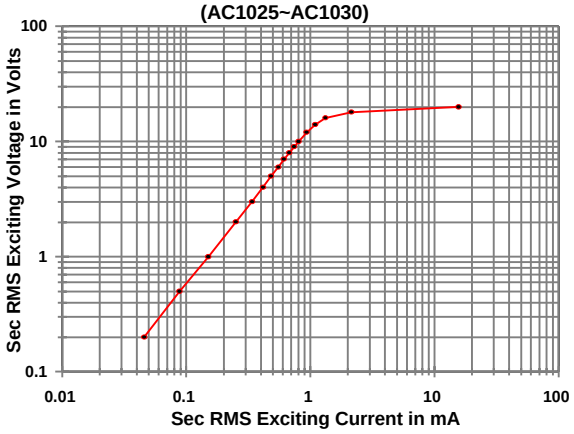
**Output Volts vs Input Current**
**For various ohmic loads**



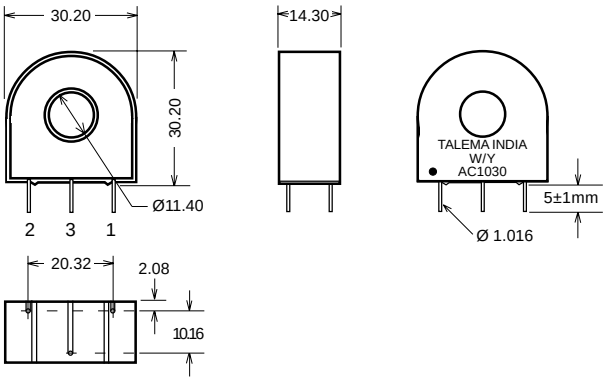

**%RE vs RL at Rated primary current**
**(AC1030)**




**Typical Excitation Curve**
**(AC1025~AC1030)**

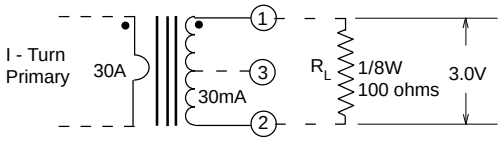



**Dimensions**




**Notes:**

1) Unless requested, the terminating resistor and the one-turn primary are not supplied
2) Pin 3: Normally for mechanical support only but will be used on center tapped designs





**Germany: Int.+4989-841 00-0 • Ireland: Int.+35 375-48 666 • Czech Rep: Int.+420 19-744 9303 • India: Int.+91 427-341 950**
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