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ZeroGPT the most Advanced and Reliable Chat GPT, GPT5 & AI Content Detector



AI/GPT
Detector



AI Humanizer



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Detector



Plagiarism
Checker



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AI Grammar
Check



AI Tr

current transformer was designed to withstand transients due to electrical surges, it will provide reliable long term service in harsh industrial environments with the maximum transients being 5,000 V (per the 1.2/50 μ s standard for shock testing).
Operating temperature range: -25 °C to +55 °C. Extended temperature range options available for extreme environments.
Versatility is evidenced by the many input/output configurations of this bar type CT series. The standard input current options are 1 A through 20 A, and standard output voltage options range from 0.1 V to 0.333 V suitable for interfacing directly to microcontroller inputs and AD converters. The mounting pattern of the bar type CT is non-symmetrical (i.e., there is no specific orientation required) which greatly simplifies PCB assembly and reduces assembly errors, while providing for a secure mechanical fit.
YuanXing's commitment to producing quality products is reinforced through

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Current Transformers (Primary Winding Built-in)

Product Overview

YuanXing Electronics is a top brand in the electronic component supplier market. We offer a range of cutting-edge Current Transformers (Primary Winding Built-in) designed for demanding B2B applications. Each component is designed to meet the requirements of a bar primary current transformer for precise measuring and monitoring of energy usage, where precision is vital. We manufacture a precision current transformer using high-quality materials and strong construction techniques to produce a China high precision current transformer that meets today's tough industrial electronic requirements.

The core of the bar type current transformer in this product line features a built-in primary winding that eliminates the need for external primary conductors in the majority of low-current applications. By minimizing external interference and ensuring an optimal coupling, the high precision current transformer provides accuracy classes of 0.1 and 0.2, as defined by IEC 61869-2 Part 2. The bar-type current transformer's magnetic core is constructed using high-permeability toroidal silicon steel or nickel alloy, which offers excellent linearity and low phase angle error over a wide dynamic range, making the bar-type current transformer an ideal solution for sensitive energy monitoring applications and power quality analyzers.

These bar primary current transformer (CT) units have been structurally designed to provide effective insulation properties at high temperature and fire hazards. The housing of the bar type ct is composed of flame retardant PBT (poly-butyleneterephthalate) material which has a UL Flam Rating of V0 and is exceptionally strong when subjected to extremes in heat or pressure during installation or operation.

The electrical properties of these bar-type current transformer include high grade epoxy insulation encapsulating the internal elements, providing dielectric resistance rated at 1000 MΩ @ 500 VDC, and isolation voltage withstand capability rated at 2500 VAC for 1 minute. Since the bar type current transformer was designed to withstand transients due to electrical surges, it will provide reliable long term service in harsh industrial environments with the maximum transients being 5,000 V (per the 1.2/50 μs standard for shock testing).

Operating temperature range: -25 °C to +55 °C. Extended temperature range options available for extreme environments.

Versatility is evidenced by the many input/output configurations of this bar type CT series. The standard input current options are 1 A through 20 A, and standard output voltage options range from 0.1 V to 0.333 V suitable for interfacing directly to microcontroller inputs and AD converters. The mounting pattern of the bar type CT is non-symmetrical (i.e., there is no specific orientation required) which greatly simplifies PCB assembly and reduces assembly errors, while providing for a

secure mechanical fit.

YuanXing's commitment to producing quality products is reinforced through strict adherence to ISO9001:2015 standards. All bar bar primary current transformer devices are RoHS compliant. In addition, under its wide range of products, YuanXing has over 50 standard sized bar type ct available for engineers to use as a reference point when selecting what type of bar type ct to suit their specification requirements. Each of YuanXing's high precision current transformer (from the compact TA5212 to the heavy-duty TA3911) has been thoroughly tested and verified against the exact electrical ratings specified for each unit's design. Manufacturers can rely on China high precision current transformer, cost effective option to further enhance the accuracy and safety of their products through the use of an extremely high quality component. The entire series of high precision current transformer, manufactured and distributed by YuanXing, is a true representation of YuanXing's ongoing commitment to be at the forefront of development and manufacture of innovative and superior quality magnetic components.



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