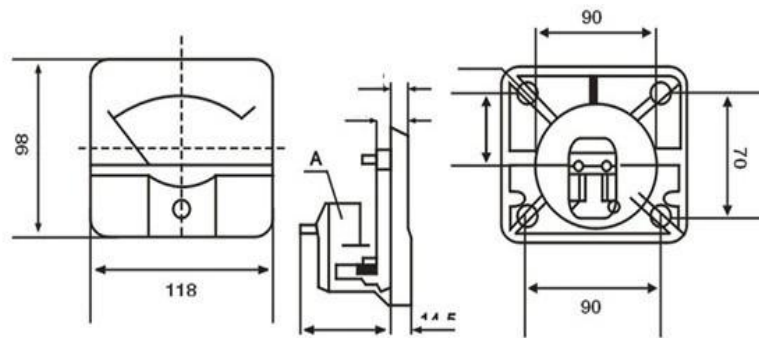


Ammeter 59C2



Purpose and application:

This series of instruments are direct analog display electrical measurement indicators, measuring DC current, voltage, AC current, frequency, power factor, phase sequence, power, synchronous indication and other non-electric measurement. It has been widely used in various AC and DC power transmission and distribution systems, power control panels and other electrical equipment in maritime ships, rail transit, chemical explosion-proof, low-voltage complete sets of equipment, construction equipment, generators, machinery and other industries. Acting on electrical measurement and non-electrical measurement, it is a general medium and high-grade instrument which is suitable for the general requirements of environmental conditions.

Standards and certification:

Hertz science and Technology Series pointer instrument is produced according to GB/T7676-1998, digital display instrument is produced according to GB/T 2264-2008 standard, and its safety performance is produced according to GB4793 and IEC 61010 standard. The calibration line and pointer design of the dial meets the German DIN43790 and DIN43802 standards. The appearance and hole size of the instrument are manufactured in accordance with GB/T 1242 and IEC 61554 standards.

Sheet case:

The base is made of flame retardant TBT plastics and the Vicat temperature is 130 C. The enclosure is made of flame retardant ABS plastics and the Vicat temperature is 85 C.

Temperature-induced changes:

The reference temperature is 23 +2. The allowable change of temperature effect is not greater than (+100%) of grade index in the temperature range of 13 ~23 and 23 ~33.

Installation location and mode:

Unless otherwise specified, the instrument is usually installed in a vertical position. Other installation locations such as horizontal installation and inclined installation can be made according to customer requirements. The corresponding accuracy level is only valid for the specified installation location. The instrument can be divided into right angle 90 and wide angle 250 with two indicative angles.

Anti-vibration and impact effects:

Vibration resistance: meeting IEC60068-2-6 standard; sweep frequency range: 10-55-10Hz; displacement amplitude: +0.15mm, +0.3mm.

Frequency sweeping cycles: 5 times; frequency sweeping rate: 10ct/min; maximum acceleration: 147m/s² (15g), 490m/s² (50g).

RMS of acceleration: 6.06g; vibration time: 15 min. Mechanical impact resistance, in line with IEC60068-2-27 standard.

Accuracy level:

Hertz Pointer Instrument: AC/DC Voltmeter and Amperometer are 1.5 or 2.5, Power Meter is 2.5, Frequency Meter is 2.5, Power Factor Meter is 2.5.

Overload ammeter:

The overload multiples are usually 1 times and 2 times, which can be customized by users to be 1, 2, 3 times and so on. Its function is to indicate the approximate value of the instantaneous overload current, such as the starting current when the motor starts.

External current shunt:

DC ammeter with shunt voltage drop specifications of 150 mV, 100 mV, 75 mV, 60 mV and 50 mV can be customized by users. The conductor resistance between the instrument and the shunt is required to be within 15-25 m to ensure the accuracy of the instrument.

Surface dial:

Surface dial: Aluminum alloy material, white primer, black ink printing or laser printing. The scale plate can be customized according to the customer's sample (multi-color overprinting can be customized). The noctilucent meter dial is made of PC board.

Zero regulator:

Except for no mechanical zero reading instrument, all other instruments have a pre-zero regulator, which is used to adjust the mechanical zero position of the instrument.