



Transverse Hall Probe CYTP98

The CYTP98 is a transverse Hall probe, which can be used to measure DC/AC magnetic field strength of permanent magnet materials, electromagnets, motors, loudspeakers, magnetic sensors/ transducer and other machines and instruments etc.

It needs a power supply voltage of +5VDC to give an output voltage of 2.5VDC±2VAC/DC in different magnetic measuring ranges from 0- 50mT to 0-2000mT. The probe has a high linearity of ±0.5%~±1.0% and a measuring accuracy of ±1.0% ~ ±2.0%.



1. Characteristics

- The Hall probe gives an analog voltage output of 2.5VDC±2VAC/DC. It can be integrated in different measuring and controlling systems for magnetic field measurement.
- The Hall probe is powered with a single voltage source +5VDC that can be provided in the most microprocessor controlled systems through USB Cable.
- A low-cost measuring device, which is easy to operate and convenient to handle and store.
- Ideal for quick quality checks and comparative measurements

2. Technical Data

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| Measuring range: | 0-50mT to 0-2000mT (for AC/DC magnetic field, measuring rang can be adjusted according to requirements of customer. Part number is CYTP98-xxxmT, for instance, CYTP98-200mT for measuring range 0-200mT) |
| Voltage output: | 2.5VDC ± 2VAC/DC (calibrated with DC magnet field as Standard) |
| Power supply: | +5VDC (± 5%) |
| Linearity: | ±0.5% for DC Measurement, ±1.0% for AC Measurement |
| Hysteresis: | ±0.25% |
| Accuracy: | ±1.0% for DC Measurement, ±2.0% for AC Measurement |
| Frequency range: | DC, 10Hz ~ 10 kHz |
| Operation temperature range: | -25°C ~ +70°C |
| Relative humidity: | 20% ~ 80% |
| Dimensions (without cable): | 180 x 18 x 20mm (Probe dimensions: 1.5 x 4 x 65mm, Custom-made probe: 0.95x4x65mm) |
| Weight (without cable): | 30g |