



Hall Probe CYHP882



The CYHP882 is a Hall probe, which can be used to measure 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 a magnetic measuring range of 0 - 500mT. The probe has a high linearity of ±1.0% and a measuring accuracy of ±1.0%.

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.
- 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

Measuring range:	0 - 500mT (for AC/DC magnetic field, measuring range can be adjusted according to requirements of customer. Part number CYHP882-xxxmT, for instance, CYHP882-200mT for measuring range 0-200mT)
Voltage output:	2.5VDC ± 2VAC/DC (calibrated with DC magnet field)
Power supply:	+5VDC (± 10%)
Linearity:	±1.0%
Hysteresis:	±0.25%
Accuracy:	depending on the accuracy of calibration magnet field, normally ±1.0%
Operation temperature range:	-40°C ~ +85°C
Relative humidity:	20% ~ 80%
Dimensions (without cable):	220 x 40 x 26mm
Weight (without cable):	80g