



Hall Probe CYHP881



The CYHP881 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 0 - 4.5VDC in a magnetic measuring range of 0 - 500mT. The probe has a high linearity of $\pm 0.5\%$ and a measuring accuracy of $\pm 1.0\%$.

1. Characteristics

- The Hall probe gives an analog voltage output of 0 - 4.5VDC. 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 unipolar DC magnetic field, measuring range can be adjusted according to requirements of customer. Part number CYHP881-xxxmT, for instance, CYHP881-200mT for measuring range 0-200mT)
Voltage output:	0 - 4.5VDC
Power supply:	+5VDC ($\pm 10\%$)
Linearity:	$\pm 0.5\%$
Accuracy:	depending on the accuracy of calibration magnet field, normally $\pm 1.0\%$
Zero point offset:	0.2%
Operation temperature range:	-40°C ~ +85°C
Relative humidity:	20% ~ 80%
Dimensions (without cable):	220 x 40 x 26mm
Weight (without cable):	80g