

## Gaussmeter/Teslameter CYGM99B



The Gaussmeter CYGM99B works according to Hall Effect measuring principle. It is a microcontroller-controlled instrument and can be used to measure DC/AC magnetic field strength of permanent magnet materials, motors, speakers, magnetic sensors/ transducers, other machines and instruments etc. with high resolution. It is powered with a rechargeable LiPo Battery (+3.7V) or via USB cable (+5V).

### Features:

- Rechargeable LiPo battery
- Wide measuring range and high resolution
- A low-cost measuring device, which is easy to operate, portable and convenient to handle and store.
- Ideal for quick quality checks and comparative measurements, with built-in polarity display.
- Data communication with computer via USB cable for further processing on a PC
- Remote control by computer.

### Technical Data:

Measuring ranges:

0-50mT and 0-500mT, 0-200mT and 0-2000mT, 0-300mT and 0-3000mT

Basic accuracy:

DC:  $\pm 1.0\%$ , AC:  $\pm 2.0\%$

Resolution:

DC/AC x1:	0.0 ~ 50.000mT,	0.001mT
DC/AC x10:	0.0 ~ 500.00mT,	0.01mT
DC/AC x1:	0.0 ~ 200.00mT,	0.01mT
DC/AC x10:	0.0 ~ 2000.0mT,	0.1mT
DC/AC x1:	0.0 ~ 300.00mT,	0.01mT
DC/AC x10:	0.0 ~ 3000.0mT,	0.1mT

Measuring magnetic field:

DC/AC (static and dynamic field)

frequency range:

DC, 10Hz ~ 10 kHz

Functions:

Range x1 / x10 selection

Unit mT /Gs selection

Probe zero adjustment

N/S pole display for DC measurement

RMS/Peak value for AC measurement

Max hold, Min hold, Display hold

Local/Remote control

Display:

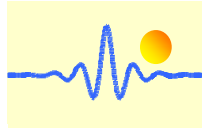
5 Digit LCD

Display Unit:

mT/Gs (1mT=10Gs)

Ambient temperature:

+5°C ~ +50°C



Storage temperature:	-20°C ~ +70°C
Relative humidity:	20% ~ 80%
Power supply:	1 x LiPo battery (3.7V) or USB 5V
Dimensions:	190mm x 90mm x 33mm
Weight:	365g

## Accessories:

- 1) 1x 3.7V LiPo battery
- 2) 1 x Hall probe CYTP98[A/B/C] or CYAP98[A/B/C]
- 3) 2 x 0.9m USB Cable
- 4) 5V DC Voltage adapter (standard USB-B charger)

## Hall Probes:

Probe Name	transverse probe			axial probe		
Part number	CYTP98A	CYTP98B	CYTP98C	CYAP98A	CYAP98B	CYAP98C
Measuring range	0-50mT, 0-500mT	0-200mT, 0-2000mT	0-300mT 0-3000mT	0-50mT, 0-500mT	0-200mT, 0-2000mT	0-300mT 0-3000mT
Probe size	1.5 x 4 x 65mm Custom-made : 0.95x4x65mm			Ø7 x 80mm		
Picture of CYTP98[A/B/C]						
Picture of CYAP98[A/B/C]						

## Packing Box



Net weight: 735g