

Catalogue

Gaussmeters

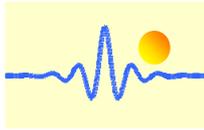
Copyright© 2012, ChenYang Technologies GmbH & Co. KG

All rights reserved. No part of this catalogue may be reproduced, stored in a retrieval system or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without the prior permission of the copyright holder.

Contact Address:

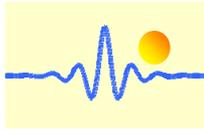
Markt Schwabener Str. 8
D-85464 Finsing
Germany

Tel: +49 (0)8121-2574100
Fax: +49 (0)8121-2574101
Email: info@chenyang.de
<http://www.chenyang.de>



Contents

Gaussmeter/Teslameter CYHT20	1
Gaussmeter/Teslameter CYHT201	2
Gaussmeter/Teslameter CYHT208	4
Gaussmeter/Teslameter CYHT203	6



Gaussmeter/Teslameter CYHT20



This Gaussmeter (Teslameter) is used to measure the magnetic field strength and to indicate the polarity of permanent magnets, DC coils and other DC magnetic fields.

- 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.

Technical Data

Measuring ranges:	0~200mT and 0-2000mT
Measuring accuracy:	±2.0%
Resolution:	0.1mT, 1.0mT
Display:	3 ½ LCD
Display Unit:	mT (1mT=10Gs)
Ambient temperature:	0°C ~ 50°C
Storage temperature:	-20°C ~ +70°C
Relative humidity:	20% ~ 80%
Power supply:	+9V alkaline, block battery
Dimensions:	160mm x 88mm x 36mm
Weight:	300g

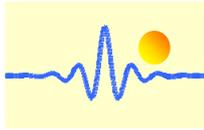
Accessories: +9V DC power supply
CYTP-T15: transverse probe 1.5x 4 x 40mm



Special probe: (additional order is necessary)

CYAP-D60: axial probe Ø6 x 40mm





Gaussmeter/Teslameter CYHT201



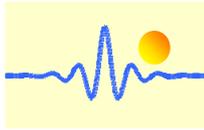
The Gaussmeter CYHT201 is a new generation of the Gaussmeter CYHT20. It can be used to measure DC/AC magnetic field strength of permanent magnet materials, motors, speakers, magnetic sensors/transducer and other machines and instruments etc. with high resolution.

Features:

- 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.

Technical Data:

Measuring ranges:	0~200mT and 0-2000mT
Basic accuracy:	DC: $\pm 2.0\%$, AC: $\pm 5.0\%$
Resolution:	DC x1: 0.00 ~ 200.00mT, 0.01mT DC x10: 0.0 ~ 2000.0mT, 0.1mT AC x1: 0.00 ~ 200.00mT, 0.01mT AC x10: 0.0 ~ 2000.0mT, 0.1mT
Measuring magnetic field:	DC/AC (static and dynamic)
AC frequency range:	10Hz ~ 200Hz
Functions:	Peak hold, Max hold, Automatic range Gs/mT selection N/S pole display for DC measurement Automatic probe zero adjustment
Display:	4 ½ 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:	+9V alkaline, block battery
Dimensions:	160mm x 88mm x 36mm
Weight:	300g



Accessories:

- 1) +9V DC power supply
- 2) one of the following Hall probes

Hall Probes :

CYTP-T08A: transverse probe 0.8 x 3 x 40mm (Standard)



CYTP-T15A: transverse probe 1.5x 4 x 40mm

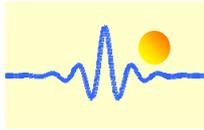


CYAP-D60A: axial probe Ø6 x 40mm

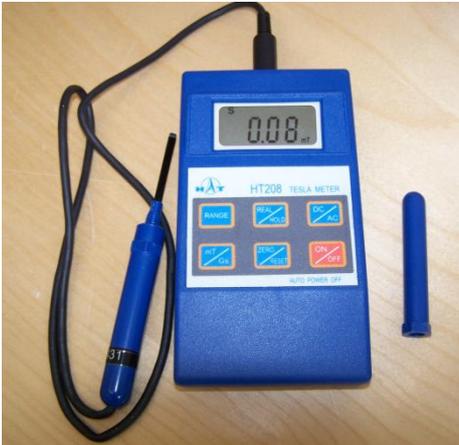


Packing:





Gaussmeter/Teslameter CYHT208



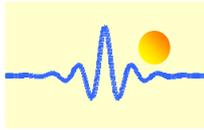
The Gaussmeter CYHT208 can be used to measure DC/AC magnetic field strength of permanent magnet materials, motors, speakers, magnetic sensors/transducers and other machines and instruments etc. with high resolution. It is powered with 4 pieces of batteries (+1.5VDC, No. 5) and can work for 100 hours continuously or for several weeks if the Auto Power Off Mode is used.

Features:

- 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.

Technical Data:

Measuring ranges:	DC: 0~200mT~2000mT; AC: 0~200mT~1000mT
Basic accuracy:	±2.0%, ±3 digits for ≤1000mT, ±2.0%, ±5 digits for >1000mT
Resolution:	0.01mT for measuring range 0-200mT 0.1mT for measuring range 0-1000mT/2000mT
Measuring magnetic field:	DC/AC (static and dynamic)
Frequency range:	DC ~ 200Hz
Functions:	Peak hold, Max hold, Automatic range Gs/mT selection N/S pole display for DC measurement Automatic probe zero adjustment Automatic change of measuring ranges
Display:	4 ½ 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:	4 x 1.5V batteries, No. 5
Dimensions:	160mm x 88mm x 37mm
Weight:	300g



Accessories:

- 1) 4 x 1.5V DC batteries
- 2) Hall probe CYTP-T15B

Hall Probes:

CYTP-T15B: transverse probe 1.5x 4 x 40mm (standard)

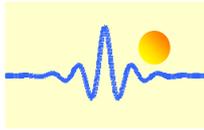


CYAP-D60B: axial probe $\varnothing 6 \times 40\text{mm}$ (custom made)



Packing:





Gaussmeter/Teslameter CYHT203



The Model CYHT203 is a hand-held Gauss-meter designed for accurate magnetic field measurements from 0.1mGs to 1.9999Gs. It can be used for measurements of very weak magnetic fields, for instance, earth magnetic field, environment and space magnetic fields, magnetic fields around shielded permanent materials and parts.

Features:

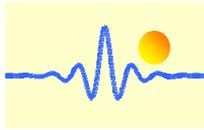
- High accuracy and high resolution
- A low-cost measuring device, which is easy to operate, portable and convenient to handle and store.
- Ideal for quick quality checks and comparative measurements, with built-in polarity display.

Technical Data:

Measuring range:	0.0001 ~ 1.9999Gs (i.e., 0.1 ~ 1999.9mGs)
Measuring Accuracy:	±2.0%
Resolution:	0.0001Gs (i.e., 0.1mGs)
Magnetic field:	DC magnetic field
Display:	4 ½ LCD
Display unit:	Gs
Functions:	Peak hold, Max hold, N/S pole display Automatic probe zero adjustment
Ambient temperature:	+5°C ~ +50°C
Storage temperature:	-20°C ~ +70°C
Relative humidity:	20% ~ 80%
Power supply:	+9V alkaline, block battery
Dimensions:	160mm x 88mm x 36mm
Weight:	300g

Applications:

- Measurement of local earth magnetic field
- Measurements of environment and space magnetic fields
- Measurements of magnetic fields around shielded permanent materials and parts etc.



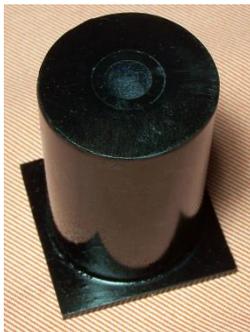
Accessories:

- 1) +9V DC power supply
- 2) Probe CYHP203
- 3) Probe support
- 4) Zero point calibrator (shielding part)

Probe and Support:



Zero point calibrator (shielding part)



Packing:

