



GREWIN INDUSTRIAL GROUP CO.,LTD.

TEL/WhatsApp: +86 18622096679

Mail: admin@coilwindingmachinechina.com

Web:www.coilwindingmachinechina.com



# **The Magnetic Toroid Ring Core Winding Coil Turns Tester Within LQ Meter GW-900B**



## **Description :**

The magnetic toroid ring core winding coil turns tester within LQ meter (GW-900B) adopts the high speed center microprocessing unit circuits and precise measurement A/D circuits. This coil turns tester is used to count the coil turns and inductance and Q parameters of various toroid core winding coils. Like as : toroid core inductors, toroid core transformers, toroidal core sensors, watt meter sensors, toroid current transformers, toroid core choke coils, etc. . Can complete the testing of the turns and L and Q parameters and display at same time. This turn tester is named magnetic ring core coil turn tester also.

## **Features :**

1. CPU control and LCD display.
2. Operation easy.
3. Open and short revising function
4. Set up the parameter limited for automatic judgement with buzzer.
5. Fixed the HANDLER and RS232 ports to suit the fully automatic testing production line.
6. Fixed the USB memory connecting port.

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### Specification :

Model	GW-900B
testing parameter	coil turns of toroid core
coil turns range	0 .1~ 19999T
turns testing accuracy	± 0.1%
Inductance equivalent mode	series connection, parrallel connection
L range	0.0001uH~ 9999H
L testing accuracy	± 0.1%(1+Lx/Lmax+Lmin/Lx)(1+1/Qx)(1+Ks+KV+Kf)
Q range	0.0001~9999
Q testing accuracy	± 0.001%(1+Zx/Zmax+Zmin/Zx)(Qx+1/Qx)(1+Ks+KV+Kf)
LCD display	resolution ratio 320*240, 5.7 inch, blue with white letters.
testing frequency	100HZ, 200HZ, 1KHZ, 2KHZ, 10KHZ, 20KHZ, 40KHZ, 100KHZ
frequency accuracy	0.02%
testing level	0.1V, 0.3V, 1.0V
PC communication	RS232 connecting port
testing speed	slow speed: 1 time/second, Middle speed: 2times/S, Fast: 4/S
judgement mode	absolute value, percent, limit, close
judgement result ouput mode	PLC switch, photoelectric coupling circuit, RS232 port, LED light.
trigger	press "start" key, external, RS232
sound mode	mute, loud for pass, loud for NG, loud for all
tester memory capacity	100PCS saving units
enviroment	5~30°C, humidity 20~80%RH
testing terminal	four terminals
power	220V± 10% 50/60Hz or 110V± 10% 50/60Hz by request
weight	about 3KG
measurement(mm)	tester 400× 130× 245, fixture 190×160

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