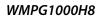


# WMPG1000H Series Power Multichannel Potentiostat/Galvanostat channel





WMPG1000H12

- For power applications
- 800Watt(H8) or 1200Watt(H12)
- 3 current ranges
- Applied voltage range of Max <±40V
- 4 Kelvin probe type P'stat/G'stat circuit
- High accuracy
- Max 128 channels configuration
- Independent power supply per each channel
- LAN communication

# Power Potentiostat/Galvanostat channel for high power mulichannel application

The power potentiotiostat/galvanostat channel, WMPG1000H8 or WMPG1000H12, is designed for high power purpose electrochemical experiments and its versatile features allow users to perform a wide range of electrochemical research and development. The WMPG1000H seires requires external 8channel controller and the channel power limit is 800Watt(H8) or 1200Watt(H12).

The WMPG1000H series can be configured with custom specification not exceeding its maximum power (800Watt:H8 or 1.2kWatt:H12), voltage limitation( <+/-40V).

Typical models for WMPG1000H8 are

- -10V to 10V @ 50Amp WMPG1000H8\_1030B
- -20V to 20V @20Amp WMPG1000H8\_2015B
- -40V to 40V @10Amp WMPG1000H8\_408B

Typical models for WMPG1000H12 are

- -10V to 10V @ 50Amp WMPG1000H12\_1050B
- -20V to 20V @25Amp WMPG1000H12\_2025B
- -40V to 40V @13Amp WMPG1000H12\_4013B

Each channel has its own power supply and emergency button to cell off for emergency. Optional accessories for this system is auxiliary voltage measurement and temperature measurement The WMPG1000H series channel can support power application such as electrosynthesis, electrolysis, electroplating and experiments on energy devices.

The Smart Interface(SI) software for WMPG multichannel potentiostat/galvanostat is a convenient and powerful tool allowing:

- easily making schedule files by using schedule editor
- selecting pre-defined techniques
- classifying/grouping channels by user's purpose
- monitoring detailed test data
- providing general/cycle graph format
- converting the data to ASCII or excel format

The WMPG1000 series can communicate with the computer by the way of a Local Area Network(LAN).

#### Features

- 3 current ranges for improved accuracy over a wide range of testing conditions.
- High resolution 16 bit DAC/ADC for system control and data acquisition.
- Supports techniques for battery studies such as CC/CV test, CC/CC test, CV test, as well GITT/PITT test for calculation of diffusion coefficient.
- High sampling rate.
- The various safety functions are provided to protect the cell and system from being damaged.
- The obtained data can be analyzed by IVMAN<sup>™</sup> software without license code for further analysis.

#### • For Electroanalytical Measurement

## Specifications

- Cyclic voltammetry
- Linear sweep voltammetry
- Chrono-amperometry
- Chrono-coulometry
- Chrono-potentiometry

### Corrosion Measurement

- 🗖 Tafel plot
- Potentiodynamic
- Potentiostatic
- Galvanostatic
- Cyclic polarization
- Ecorr vs. time
- Linear polarization resistance

## • For Energy Test

- Charge/Discharge(CC/CV) Test
- Constant Current Charge/Discharge(CC/CC) Test
- Steady state CV
- Pstat IV curve
- Gstat IV curve
- Electrochemical Voltage Spectroscopy(EVS) Test
- Galvanostatic Intermittent Titration Technique(GITT) Test
- Potentiostatic Intermittent Titration Technique(PITT) Test

40V
ding on control voltage
2S
a, Mode: 2ea, Irange:3 ea
m
e type, alligator clip cables
odule   Max 128ch configuration
of.s.
.s.
0V
% f.s
under 800Watt or 1200Watt
0.0015% f.s)
annel system c hannel system c standard, 10msec as an option channel system c standard, 10msec as an option

All specifications are subject to change without notice.



WonATech Co., Ltd. 7 Neunganmal 1-gil, Seocho-gu, Seoul, 06801, Korea Tel: +82-2-578-6516 Fax: +82-2-576-2635 e-mail: sales@wonatech.com website: www.wonatech.com Local Distributor