

Linear Mode DC Power Supply

PROGRAMMABLE, SINGLE OUTPUT

TPM SERIES

0~36V / 0~3A, 0~15V / 0~6A
0~36V / 0~5A, 0~15V / 0~10A
0~30V / 0~3A
0~30V / 0~5A
0~60V / 0~3A



FEATURES

- 1CH output with 2 selectable output ranges (TPM-3003/3005)
- High resolution 1mV/0.1mA
- 24-bit ADC and 16-bit DAC, high accuracy
- Over load, over voltage, over current, over temperature and reverse polarity protections
- Constant voltage and constant current operations, auto CV and CC switch
- 122x32 backlit LCD display for full output details
- High speed rotary dial and keypad input
- Built-in beeper alarm
- Panel lock and output ON/OFF function
- 100 sets save & recall for voltage and current setups
- Delay time setup (99999s) and AUTO running program for easy AUTO test
- Standard USB interface, support SCPI commands, support Labview
- Optional RS-232 interface

Архангельск (8182)63-90-72
Астана (7172)727-132
Астрахань (8512)99-46-04
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Белгород (4722)40-23-64
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89
Иваново (4932)77-34-06

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Калуга (4842)92-23-67
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Киргизия (996)312-96-26-47

Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
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Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Казахстан (772)734-952-31

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Саратов (845)249-38-78
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Симферополь (3652)67-13-56
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Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Таджикистан (992)427-82-92-69

Сургут (3462)77-98-35
Тверь (4822)63-31-35
Томск (3822)98-41-53
Тула (4872)74-02-29
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Ярославль (4852)69-52-93

SPECIFICATIONS

| | | | |
|----------------------------|--|---|--|
| Constant voltage operation | | | |
| Line regulation | ≤0.01%+3mV | | |
| Load regulation | ≤0.01%+3mV (I≤3A); ≤0.02%+5mV (I>3A) | | |
| Ripple & Noise (5Hz~1MHz) | ≤1mVrms (I≤3A); ≤2mVrms (I>3A) | | |
| Recovery time | ≤100us (50% load change, minimum load 0.5A) | | |
| Constant current operation | | | |
| Line regulation | ≤0.2%+3mA | | |
| Load regulation | ≤0.2%+3mA (I≤3A); ≤0.2%+5mA (I>3A) | | |
| Ripple & Noise | ≤3mArms (I≤3A); ≤6mArms (I>3A) | | |
| Display | | | |
| Voltmeter | 5 digits LCD display | | |
| Ammeter | 5 digits LCD display | | |
| Setting accuracy (25±5°C) | Voltage | ±(0.03% reading+10mV) | |
| | Current | ±(0.2% reading+10mA) | |
| Reading accuracy (25±5°C) | Voltage | ±(0.02% reading+5mV) | |
| | Current | ±(0.02% reading+5mA) | |
| General | | | |
| Protection | Over load, over voltage, over current, over temperature and reverse polarity protections | | |
| Panel lock | Provided | | |
| Interface | USB interface, support SCPI commands, support Labview Optional RS-232 interface | | |
| Memory | 100 sets | | |
| Insulation | Between base and output terminal: ≥20MΩ/500VDC Between base and AC power cord: ≥30MΩ/500VDC | | |
| Operating environment | Indoor use Relative humidity: ≤80% | Altitude: ≤2000m Installation category: II | Ambient temperature: 0~40°C Pollution degree: 2 |
| Storage environment | -10°C~70°C, ≤70%RH | | |
| Power source | AC110V/220V±10% selectable, 50/60Hz | | |
| Accessories | Power cord x1, Operation manual x1, USB cable x1, Software CD x1 | | |

SELECTION GUIDE

| Model | TPM-3003 | | TPM-3005 | | TPM-3003E | TPM-3005E | TPM-6003E |
|--------------------|---------------|-------|----------|-------|-----------|-----------|-----------|
| Output voltage | 0~36V | 0~15V | 0~36V | 0~15V | 0~30V | 0~30V | 0~60V |
| Output current | 0~3A | 0~6A | 0~5A | 0~10A | 0~3A | 0~5A | 0~3A |
| O.V.P. range | 0.1~38V | | 0.1~38V | | 0.1~34V | 0.1~34V | 0.1~64V |
| O.C.P. range | 0.1~6.5A | | 0.1~11A | | 0.1~3.5A | 0.1~5.5A | 0.1~3.5A |
| Reading resolution | 1mV/0.1mA | | 1mV/1mA | | 1mV/0.1mA | | |
| Dimension (WxHxD) | 130x160x310mm | | | | | | |
| Weight | 5.5kg | | 6.5kg | | 4.5kg | 5.5kg | 5.5kg |

| Model | TPM-6005E | TPM-2010E | TPM-3010E | TPM-7503E | TPM-7505E |
|--------------------|---------------|-----------|-----------|-----------|---------------|
| Output voltage | 0~60V | 0~20V | 0~30V | 0~75V | 0~75V |
| Output current | 0~5A | 0~10A | 0~10A | 0~3A | 0~5A |
| O.V.P. range | 0.1~64V | 0.1~24V | 0.1~34V | 0.1~80V | 0.1~80V |
| O.C.P. range | 0.1~5.5A | 0.1~11A | 0.1~11A | 0.1~3.5A | 0.1~5.5A |
| Reading resolution | 1mV/0.1mA | 1mV/1mA | | 1mV/0.1mA | |
| Dimension (WxHxD) | 130x160x310mm | | | | 130x160x410mm |
| Weight | 7kg | 5.5kg | 7kg | 5.5kg | 8kg |

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