

SPECIFICATIONS

Programmable DC Power Supply

MODEL : PT 30 – 13



ODA

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| Parameter | | Specifications | |
|--|------------------------|--|----------------|
| Output rating(@0℃ ~ 40℃) | Voltage | 0 to 30.0 | Maximum 31.5 |
| | Current | 0 to 13.0 | Maximum 13.650 |
| Output WATT | | 0.4 KW | |
| Programming Accuracy (@25℃ ±5℃)±(%of output + offset) | Voltage | 0.1% + 45.0mV | |
| | Current | 0.1% + 39.0mA | |
| Readback Accuracy (@25℃ ±5℃)±(%of output + offset) | Voltage | 0.1% + 30.0mV | |
| | Current | 0.1% + 26.0mA | |
| Ripple and Noise(20Hz to 20MHz) | | ≤ 10mVrms | |
| Load Regulation (with V-Sensing) | | ≤ 30 mV | |
| Line Regulation (with V-Sensing) | | ≤ 30 mV | |
| Resolution | Programming/Readback | ≤ 0.6mV / ≤ 0.4mA | |
| | Display Meter | 10mV / 10mA | |
| Temperature Coefficient After a 30-minute warm-up | Voltage | ≤ 6.0mV | |
| | Current | ≤ 3.9mA | |
| Stability ±(%of output + offset) After a 1 hour warm-up | Voltage | ≤ 15.0mV | |
| | Current | ≤ 6.5mA | |
| Voltage Programming Speed (10%~90% of output voltage) | Half load | Rising time | ≤ 300ms |
| | | Falling time | ≤ 300ms |
| Remote Sensing Capability | Voltage Drop | Up to 2.5V per each lead | |
| | Load Regulation | Add 5 mV to spec for each 1-volt change in the + output lead due to load current changes | |
| | Load Voltage | Subtract voltage drop in load leads from specified output voltage rating. | |
| OVP and OCP Accuracy ±(%of output + offset) | OVP | 1% + 0.3V | |
| | OCP | 1% + 1.3A | |
| | Activation Time | < 80ms when maximum output rating | |
| Output Voltage Overshoot & Undershoot | Power Switch ON/OFF | No overshoot, undershoot : ≤ -0.8V | |
| | Voltage Output Setting | No overshoot, No undershoot | |
| Remote Interface | | RS232C , RS485 | |
| Programming Language | | SCPI(Standard Commands for Programmable Instruments) | |
| Command Processing Time(average) | Apply | Setting | 20ms |
| | | Query | 32ms |
| | Output Setting | Voltage & Current Setting | 15ms |
| | | Voltage & Current Query | 32ms |
| | Measurement | Voltage & Current Query | 32ms |
| The Other | Setting & Query | < 35ms | |
| State Storage Memory | | Ten user-configurable(voltage,current,protection level)stored states | |
| Operation Temperature | | 0℃ ~ 40℃ for full rated output. At higher temperatures the output current is derated linearly to 50% at 55℃ maximum temperature | |
| Cooling | | Isolation DC FAN | |
| Output Terminal Isolated (maximum, from chassis ground) | | ±60 Vdc when connecting shorting conductors without insulation to the (+)output to the (+)sense and the (-)output and the (-)sense terminals | |
| AC Input Ratings | Standard | Single phase 220V ± 10% 50~60Hz | |
| Calibration Interval | Precision | 6 month | |
| | Recommended | 1 year | |
| Dimensions (19" Standard) | | 70(W) * 125.5(H) * 350(D) | |
| Maximum Input Power(full load) | | 0.5 KW | |
| Weight | Net weight | 4.2kg | |
| | Gross weight | 5.2kg | |

