



PW41i

Universal Test System

Specifications

Voltage generators

| Setting range | |
|------------------|-----------|
| 3-phase ac (L-N) | 4×0~300V |
| 1-phase ac (L-L) | 1×0~600V |
| dc (L-N) | 4×±0~300V |
| dc (L-L) | 1×±0~600V |

Power

| | |
|------------------|------------------------|
| 4-phase ac (L-N) | 4×75VA at 300V typ. |
| 3-phase ac (L-L) | 3×100VA at 300V typ. |
| 1-phase ac (L-L) | 1× 200 VA at 600V typ. |
| dc (L-N) | 4×100W at ±300 V |

| | |
|-----------------|------------------------------|
| Accuracy | < 0.16% rd.+0.04 %rg. guar., |
| | < 0.08% rd.+0.02 %rg. typ. |

| | |
|-------------------|-------|
| Ranges | 300V |
| Resolution | 10mV |
| Distortion | 0.1 % |

Current generators

| Setting range | |
|------------------|----------|
| 3-phase AC(L-N) | 3×0~40A |
| 1-phase AC(3L-N) | 1×0~120A |
| dc (3L-N) | 1×±0~60A |

Power

| | |
|-----------------|----------------|
| 3-phase AC(L-N) | 3×65VA at 5A |
| | 3×400VA at 40A |
| dc (3L-N) | 700W at 60A |

| | |
|-----------------|--------------------------------|
| Accuracy | < 0.16% rd.+ 0.04 % rg. guar., |
| | < 0.08% rd.+ 0.02 % rg. typ. |

| | |
|-------------------|------|
| Distortion | 0.1% |
| Resolution | 5mA |

General

| Frequency | |
|--------------------|--------------------|
| Range | DC, 0.001Hz~1000Hz |
| Accuracy | 0.002% at 50Hz |
| Resolution | 0.001Hz |
| Phase | |
| Angle range | 0~360° |
| Accuracy | 0.2° |
| Resolution | 0.001° |

Auxiliary dc supply

| | |
|----------------------|----------------------------------------|
| Voltage range | 220V, 110V, ADJ(0~300V) |
| Power | 110W at 220V, 55W at 110V, 90W at 300V |

Binary inputs

| | |
|------------------------------|--------------|
| Number | 8 |
| Input characteristics | Dry/Wet |
| Max. measuring time | 999999.999 s |
| Accuracy | 0.1%±1ms |
| Resolution | 1ms |

Binary output, relay

| | |
|--------------------------|----------------------------------------------------|
| Number | 4 |
| Type | Potential free relay contacts, software controlled |
| Break capacity ac | Vmax: 300Vac /Imax: 8A /Pmax: 2000VA |
| Break capacity dc | Vmax: 300Vdc /Imax:8A /Pmax: 150W |

Power supply

| | |
|----------------------------------|------------|
| Nominal input voltage | 110~240Vac |
| Permissible input voltage | 90~260Vac |
| Nominal frequency | 50/60Hz |
| Permissible frequency | 45~65Hz |

Environmental conditions

| | |
|------------------------------|----------------------------------------------------------------------|
| Operation temperature | 0~+50°C |
| Storage temperature | -25~+70°C |
| Relative humidity | 5~95% non - condensing |
| EMC(E&I) | EN/IEC 61326-1 EN/IEC 61000-3-2/3 EN/IEC61000-4-2/3/4/5/6/8/11/18 |
| Environment | EN/IEC 60068-2-1/2/3/6/27 |
| Safety | EN/IEC 61010-1/1-12/2-030 EN/IEC 60255-25/27 |
| Others | FCC Part 15:Sub B ECS-001:2006 LVD EU |

Others

| | |
|-------------------------------|------------------------------|
| USB Port | 2 |
| GPSinterface | DB9/TTL |
| Ground Socket(earth) | 4mm banana socket,front side |
| Weight | 23kg |
| Dimensions (W x H x D) | 364mm×200mm×475mm |