



POM2-6143

Universal Test System

Specifications

Binary outputs, relay

| | |
|-------------------|--|
| Number | 4 (1-4) |
| 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 |

Binary outputs, semiconductor

| | |
|----------------|--------------------------------------|
| Number | 4 (5-8) |
| Type | semiconductor |
| Break capacity | Vmax: 300Vdc /Imax: 0.5A /Pmax: 150W |
| Update rate | 100µs |
| Imax | 0.5A |

Auxiliary dc supply

| | |
|---------------|---|
| Voltage range | 0~300V |
| Power | 88W at 110V, 110W at 220V, 110W at 300V |
| Accuracy | error <0.1% rg. typ. (<0.5% rg. guar.) |

DC voltage measuring inputs

| | |
|-----------------|--|
| Measuring range | 0~±10V |
| Accuracy | error <0.02% rg. typ. (<0.05% rg. guar.) |
| Input impedance | 100KΩ |

DC current measuring inputs

| | |
|-----------------|------------------------------------|
| Measuring range | 0~±20mA |
| Accuracy error | <0.02% rg. typ. (<0.05% rg. guar.) |
| Input impedance | 50Ω |

Low level outputs

| | |
|--------------------|--|
| Setting range | 12×0~10Vpk |
| Max.output current | 1mA |
| Accuracy | error <0.025 % typ. (<0.07 % guar.) at 1~10Vpk |
| Resolution | 250µV |
| Distortion(THD+N) | <0.05 % typ. (<0.1 % guar.) |
| Connection | 14 pin combination socket |

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 (Emission) | IEC61000-3-2/3 |
| EMC (Immunity) | IEC61000-4-2/3/4/5/6/11 |
| Safety | IEC 61010-1 |

Others

| | |
|-----------------------------|-------------------------------|
| PC connection | Ethernet, 10M/100M |
| Low level outputs interface | Circular connector |
| GPS/IRIG-B interface | Circular connector |
| IEC61850 Goose | Ethernet interface (Optional) |
| Ground Socket (earth) | 4mm banana socket |
| Weight | 16.5kg |
| Dimensions | 390x287x214mm(WxDxH) |

Voltage generators

| | |
|----------------------|---|
| Setting range | |
| 4-phase ac (L-N) | 4×0~300V |
| 1-phase ac (L-L) | 1×0~600V |
| dc (L-N) | 4×0~300V |
| Power | |
| 4-phase ac (L-N) | 4×75VA typ., at 300V 4×50VA guar., at 300V |
| 3-phase ac (L-N) | 3×100VA typ., at 300V 3×85VA guar., at 300V |
| 1-phase ac (L-L) | 1×200VA typ., at 600V 1×170VA guar., at 600V |
| dc (L-N) | 4×100 W at ±300 V |
| Accuracy error | <0.08 % rd. + 0.02 % rg. guar., at 0~300 V <0.02 % rd. + 0.01 % rg. typ., at 0~300 V |
| Ranges | 300V |
| Resolution | 10mV |
| Distortion | <0.05 % typ. (<0.1 % guar.) |

Current generators

| | |
|----------------------------------|---|
| Setting range | |
| 6-phase AC (L-N) | 6×0~15A |
| 3-phase AC (2L-N) | 3×0~30A |
| 1-phase AC (3L-3L) | 1×0~30A(10A/Phase) |
| 1-phase AC(6L-N) | 1×0~90A |
| dc (L-N) | 6×0~10A |
| dc (6L-N) | 1×0~60A |
| power | |
| 6-phase AC(L-N) | 6×105VA at 15A |
| 3-phase AC(2L-N) | 3×210VA at 30A |
| 1-phase AC(3L-3L) | 1×420VA at 30A |
| dc(L-N) | 6×100W at 10A |
| dc(6L-N) | 600W at 60A |
| Max compliance voltage(L-N)(L-L) | 10Vpk/20Vpk |
| Accuracy error | <0.08 % rd. + 0.02 % rg. guar., at 0~15A <0.02 % rd. + 0.01 % rg. typ., at 0~15A |
| Ranges | 15A or 30A |
| Resolution | 1mA |
| Distortion | <0.05 % typ. (<0.1 % guar.) |

General

| | |
|------------------|-------------------------------------|
| Frequency | |
| Sine signal | 1~1000Hz |
| Transient signal | dc~10.0 kHz |
| Accuracy | ±0.3ppm |
| Resolution | 0.001 Hz |
| Phase | |
| Angle range | -360°~+360° |
| Accuracy | <0.05° typ., <0.1° guar. at 50/60Hz |
| Resolution | ±0.001° |

Binary inputs

| | |
|------------------------|--|
| Number | 8 |
| Input characteristics | 0-400Vdc or ac (peak) with adjustable threshold or potential free |
| T ime resolution | 50µs |
| Max. measuring time | infinite |
| Debounce/Deglitch time | 0~25ms |
| Counting function | <3kHz at pulse width>150 µs |



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