

## relay test

### General information about relay test ADRP-1500A/AH

Advanced three phase automatic relay test set. PC control through user friendly Relay Test software. High accuracy and high power over wide range.

#### Hardware configuration:

- ✓ MP3000A: 6 x 30A, 4 X 125 V, 0-265 V aux dc, 0-3 A high burden current output, 8 bin Inputs, 4 bin outputs.
- ✓ MP3000AH: 6 x 30A, 4 X 300 V, 0-265 V aux dc, 0-3 A high burden current output, 8 bin Inputs, 4 bin outputs.



## Technical Specification of the device:

### Current generators:

- 6 independent generators in two groups.
- Each group is of 3 generators with common neutral.
- Max current: 30 A ac- 20 A dc
- Resolution: 0.03m A(0-0.3 A). 0.3m A(0.3-3.0 A). 1.0m A(3.0 -30A)
- Accuracy: Error  $\leq 0.1\%$  of setting value. ( $I \geq 0.2$  A) error  $< 0.1\%$  of setting value  $\pm 200 \mu\text{a}$ . ( $I < 0.2$  A)
- Harmonic distortion: 0.2 A -30 A  $\leq 0.2\%$
- Response time:  $\leq 100\mu\text{S}$
- Power: 5A : 60 VA. 30 A : 300 VA max
- Output time: Continuous ( $I \leq 10$  A). 100S ( $10 \text{ A} < I \leq 20$  A).  $> 20$  S ( $20\text{A} < I \leq 30\text{A}$ )

### Voltage generators:

- 4 independent generators with common neutral.
- 4th voltage generator can be 3U0 or independent.
- Max voltage AC: 125V L-N/ 250 V L-L (MP3000A). 300V L-N/600V L-L (MP3000AH)
- Amplitude range of DC:  $\pm 176$  V(MP3000A.MP3000F).  $\pm 424$  V(MP3000AH)
- Resolution: 4 mV(MP3000A). 10 mV(MP3000AH)
- Accuracy: Error  $\leq 0.1\%$  of setting from 10 V ...125V(MP3000A)
- Error  $\leq 0.1\%$  of setting from 24 V ...300V(MP3000AH)
- Harmonic distortion:  $\leq 0.2\%$ (10- 125 V. MP3000A.MP3000F)  $\leq 0.2\%$ (24- 300 V.
- MP3000AH.MP3000FH)
- Response time:  $\leq 100\mu\text{S}$
- Power:  $\geq 40$  VA (57V) .  $\geq 100\text{VA}$ (100V- 300V)
- Output time: Continuous

### Frequency:

- Range (sine wave): DC...1000Hz
- Range (transient ): DC...3000Hz
- Accuracy: 0.01%
- Resolution: 0.001Hz

### Phase angle:

- Range:  $-360^\circ \dots +360^\circ$
- Accuracy:  $\leq 0.2^\circ$
- Resolution:  $0.05^\circ$



### **Aux DC:**

- Range: 0-265 V Variable, Independently controlled
- Power: 100 W max

### **High Burden Current Output**

- Range: 0-3 AMP
- Power: 100 VA Max
- Voltage: 100 V Max
- Binary Input: Can trigger by GPS
- Numbers:8
- Input sensing: Automatically detects the changeover of a dry or a wet contact
- Sensing range: Wet contact( 24- 250V DC)
- Resolution: 50  $\mu$ S
- Max. measuring time: Up to 99,999 S

### **Binary output:**

- Numbers:4
- Type: Potential free

### **General specification of the device:**

- National standard: DL/T624-1997
- AC Mains input voltage range: 110- 265 V
- AC Mains voltage frequency: 45- 65 Hz
- Operating temperature: -5 TO +50 ° C
- Relative Humidity: 5-95% non condensing
- Interface: Ethernet/RS232 for PC connection
- EMC: EN 61326-1 : 2006 EN 61000-3-2 : 2006 EN 61000-3-3: 1995 + A1: 2001+
- A2:2005 FCC Part 15 Class A LVD: EN 61010-1:2001
- Max Power Consumption: 2000VAat 230 V; 1000VA at 115 V
- Weight: 18 kg
- Dimensions: 365x200x450mm
- Standard accessories: Test lead set and connectors with a canvas carry bag.
- Shoulder carry bag for MP3000. Transport case.

### **Optional features Contact us before order:**

#### **Analog inputs:**

- One dc current: 0-20 mA , Resolution 2  $\mu$ A , Accuracy : 0.05%
- One DC voltage:  $\pm$  10 V, Resolution :1 mV, Accuracy: 0.05% Integrated GPS:
- For end to end test

