

PW41i Protective Relay Test Set



Testing different protection relays, including electromagnetic, solid state, numerical, microcomputered and digital relay based on IEC61850

Specifications

Voltage generators		Binary inputs	
Setting range		Number	8
4-phase ac(L-N)	4×0~300V	Input characteristics	Dry/Wet
1-phase ac(L-L)	1×0~600V	Max. measuring time	999999.999 s
dc (L-N)	4×±0~300V	Accuracy	0.1%±1ms
dc (L-L)	1×±0~600V	Resolution	1ms
Power		Binary output, relay	
4-phase ac(L-N)	4×75VA at 300V typ.	Number	4
3-phase ac(L-L)	3×100VA at 300V typ.	Type	Potential free relay contacts, software controlled
1-phase ac(L-L)	1×200VA at 600V typ.	Break capacity ac	Vmax: 300Vac /Imax: 8A /Pmax: 2000VA
dc (L-N)	4×100W at ±300 V	Break capacity dc	Vmax: 300Vdc /Imax:8A /Pmax: 150W
Accuracy	< 0.16% rd.+0.04%rg. guar., < 0.08% rd.+0.02%rg. typ.	Power supply	
Ranges	300V	Nominal input voltage	110~240Vac
Resolution	10mV	Permissible input	90~260Vac
Distortion	0.1%	Nominal frequency	50/60Hz
Current generators		Permissible frequency	45~65Hz
Setting range		Environmental conditions	
3-phase ac(L-N)	3×0~40A	Operation temperature	0~+50°C
1-phase ac(3L-N)	1×0~120A	Storage temperature	-25~+70°C
dc (3L-N)	1×±0~60A	Relative humidity	5~95% non-condensing
Power		EMC(E&I)	EN/IEC 61326-1 EN/IEC 61000-3-2/3 EN/IEC 61000-4-2/3/4/5/6/8/11/18
3-phase ac(L-N)	3×65VA at 5A 3×400VA at 40A	Environment	EN/IEC 60068-2-1/2/3/6/27
dc (3L-N)	700W at 60A	Safety	EN/IEC 61010-1/1-12/2-030 EN/IEC 60255-25/27
Accuracy	< 0.16% rd.+0.04%rg. guar., < 0.08% rd.+0.02%rg. typ.	Others	FCC Part 15: Sub B ECS-001:2006 LVD EU
Resolution	5mA	Others	
Distortion	0.1%	USB port	2
General		Local display	10.4inch touch screen
Frequency		Control mode	Local control and PC control
Range	DC, 0.001Hz~1000Hz	GPS interface	DB9/TTL
Accuracy	0.002% at 50Hz	Ground socket(earth)	4mm banana socket
Resolution	0.001Hz	Weight	23kg
Phase		Dimensions (W x H x D)	364mm×200mm×475mm
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		