

ANGLI-AL2 Series

Handheld relay protection tester



Features

- ◆ 4-way 125V AC voltage + 4-way 10A AC current amplifier output, all voltage and current phases can be output simultaneously
- ◆ With overheating, overload, distortion, short circuit and other amplifier working condition alarm
- ◆ Provide automatic test software (standard version), can compile user test templates to achieve efficient testing
- ◆ Provide secondary development protocol interface for external PC control, design test software according to test plan
- ◆ The software has rich test functions and can test various microcomputer protection devices such as line protection, busbar protection, transformer protection, and standby automatic switching devices. Supports various function menus such as current and voltage, whole group experiments, state sequence, harmonics, waveform playback, line protection fixed value verification (distance protection, overcurrent protection, zero sequence protection), differential experiment, gradual change experiment, etc.

Maximum hardware configuration

- ◆ Four voltage sources; four current sources, four pairs of inputs, four pairs of fast outputs.
 - 1.Current source: AC single phase(0~10)A, DC single phase(0~5) A, Accuracy: < 0.2A, absolute error < 0.2mA; relative error <0.1% from 0.2A to range
 - 2.Voltage Source:AC single phase(0~125)V,DC phase(0~350)V(L-L),-175~+175V(L-N); Accuracy:output<2V,absolute error<2mV,relative Error <0.1% from 2V to range
 - 3.Input quantity: 4 pairs; input characteristics(0~250VDC) or empty contacts (automatic identification)
 - 4.Output: 4 pairs of fast output, DC capacity:Vmax:250VDC/Imax:0.3A
 - 5.Weight:<2.7kg
Volume<296mmx210mmx57mm

Product Appearance



正面图



侧面图



上视图

AL2440 Handheld relay protection tester performance parameters

Voltage Source	AC Voltage	AC:4x(0~125)V/Phase ; Output power:》 30VA/Phase		
	Accuracy	0V~2V,<2mV;2V~125V,<0.1%(Optional 0.05%)		
	Total harmonic distortion	≤0.2% (2 V ~ 1 2 5 V)		
	Amplitude-frequency characteristics	$10\text{ Hz} < f \leq 65\text{ Hz}, \leq 0.1\%$ $65\text{ Hz} < f \leq 450\text{ Hz}, \leq 0.1\%$ $450\text{ Hz} < f \leq 1000\text{ Hz}, \leq 0.5\%$		
	DV Voltage	DC:4x(0~175)V/Phase;Accuracy 0V~2V,<±4mV;2V~175V,<±0.2%		
Current Source	AC Current	AC:4x(0~10)A/Phase; Power output :》 15VA/Phase		
	Accuracy	0A~0.2,<0.2mA; 0.2A~10A,<0.1%(Optional 0.05%)		
	Total harmonic distortion	≤0.2% (0.2A~10A)		
	Amplitude-frequency characteristics	$10\text{ Hz} < f \leq 65\text{ Hz}, \leq 0.1\%$ $65\text{ Hz} < f \leq 450\text{ Hz}, \leq 0.1\%$ $450\text{ Hz} < f \leq 1000\text{ Hz}, \leq 0.5\%$		
	DC Current	DC:4x(0~5)A/Phase; Accuracy:0A~0.2A ,<±1mA,0.2A~5A,<±0.5%		
Frequency and phase parameters	Frequency	$10\text{ Hz} < f \leq 65\text{ Hz}, \leq 1\text{mHz}$ $65\text{ Hz} < f \leq 450\text{ Hz}, \leq 10\text{mHz}$ $450\text{ Hz} < f \leq 1000\text{ Hz}, \leq 20\text{mHz}$		
	Phase	Range:0~359.9°; Accuracy:±0.1°		
Switching quantity	Input quantity	4 paris.Empty node or node with point (30V~250VDC) adaptive		
	Output quantity	4 pairs of fast nodes (response time <100us); Capacity: Vmax: 300V(DC)/Imax: 0.3A(DC)		
Other parameters	Time synchronization mode	Optical port IRIG B/PPS, electrical port IRIG B/PPS, IEEE-1588, GPS/Beidou (optional)		
	Optical fiber serial interface	2 pairs of ST interfaces (2 channels for sending, 2 channels for receiving)		
	Communication interface	USB interface	RJ45 Ethernet(1000Mbit)	WIFI module/Bluetooth module/4G module (Optional)
	Screen	13.25 inch touch screen		
	Battery	14Ah Lithium battery		
	Size&Weight	Size:296mmx210mmx57mm(LxHxD) ;Weight:<2.7kg		