



Power Acquisition Module Catalog

Product Name	Model	Key Features	Picture
6-Channel Single-Phase AC Power Acquisition Module	ZH-40064H-1 (RS485)ZH-40064H-3 (Ethernet)	<ul style="list-style-type: none"> • 2 Voltage Inputs + 6 Current Inputs, measures 6-channel power and full electrical parameters • Voltage Range: 10V / 100V / 250V / 400V / 500V AC • Current Range: 10mA / 100mA / 500mA / 1A / 5A AC. • Accuracy: Class 0.2, linearity up to 1000:1. • True RMS measurement. • 250ms synchronous data update. • Wide power supply: 9-30VDC. • RS485 or Ethernet communication (Modbus RTU/TCP). 	
12-Channel Single-Phase AC Current & Power Meter	ZH-40124A	<ul style="list-style-type: none"> • 1 Total Voltage Input + 12 Current Transformer Inputs. • Measures current, power, energy consumption, and electrical parameters • Voltage Range: 10V / 100V / 300V / 450V AC. • Current Range: 5A / 10A / 20A / 30A / 50A / 60A / 100A AC. • Class 0.2 accuracy. • True RMS measurement. • Frequency response: 30Hz–1200Hz. • RS485 Modbus RTU communication. 	
4-Circuit Three-Phase AC Power Meter	ZH-40414	<ul style="list-style-type: none"> • Independent 4-circuit three-phase voltage and current inputs. • Measures 4 sets of three-phase power parameters. • Voltage Range: 10V / 100V / 300V / 450V AC. • Current Range: 2.5mA / 100mA / 1A / 2A / 3A / 5A AC • Class 0.2 accuracy. • Adjustable acquisition speed: 60ms / 80ms / 100ms / 400ms / 800ms. • RS485 Modbus RTU output. 	
4-Circuit Three-Phase Multifunction Power Meter	ZH-40744ZH-40748 (Relay Output Version)	<ul style="list-style-type: none"> • 1 Three-Phase Voltage Input + 4 Three-Phase Current Inputs. • Measures power, energy, power factor and full electrical parameters. • Voltage Range: 10V / 100V / 300V / 450V AC. • Current Range: 2.5mA / 100mA / 1A / 2A / 3A / 5A AC. • Class 0.2 accuracy. • Adjustable sampling speed. • RS485 Modbus RTU communication. 	
4-Circuit Three-Phase Through-Hole Power Meter	ZH-40744A	<ul style="list-style-type: none"> • 1 Total Three-Phase Voltage Input + 4 Through-Hole Current Inputs. • Current Range: 5A / 10A / 20A / 30A / 50A / 60A AC • Class 0.2 accuracy. • Frequency response: 30Hz–1200Hz. • True RMS measurement. • RS485 Modbus RTU communication. 	
7-Channel Single-Phase AC Power Meter	ZH-40074-1 (RS485)ZH-40074-3 (Ethernet)	<ul style="list-style-type: none"> • 7 Voltage Inputs + 7 Current Inputs. • Measures 7-channel power and full electrical parameters. • Voltage Range: 10V / 100V / 250V / 400V / 500V AC. • Current Range: 10mA / 100mA / 500mA / 1A / 5A AC. • Class 0.2 accuracy. • 100ms synchronous sampling. • RS485 or Ethernet communication. 	
Harmonic 4-Circuit Three-Phase / 12-Channel Single-Phase Power Analyzer	ZH-40414H-1 (RS485)ZH-40414H-3 (Ethernet)	<ul style="list-style-type: none"> • Supports 12 Single-Phase or 4 Three-Phase Power Channels. • 31st Harmonic Analysis. • Voltage Range: 10V / 100V / 250V / 400V / 500V AC. • Current Range: 5mA / 50mA / 100mA / 500mA / 1A / 5A AC • Class 0.2 accuracy. • Measures harmonic voltage/current, active power, reactive power, power factor, energy, phase sequence and vector sum. • Supports Modbus RTU/TCP. 	

8-Channel Single-Phase AC Power Meter	ZH-40084H	<ul style="list-style-type: none"> • 8 Voltage Inputs + 8 Current Inputs. • Measures power, power factor and electrical parameters. • Voltage Range: 10V / 100V / 250V / 400V / 500V AC. • Current Range: 10mA / 100mA / 500mA / 1A / 5A AC. • Class 0.2 accuracy. • 250ms synchronous update. • RS485 or Ethernet communication. 	
GPRS Wireless AC/DC Three-Phase Energy Meter	ZH-41094	<ul style="list-style-type: none"> • Universal AC/DC three-phase measurement. • True RMS measurement. • Frequency Response: 0Hz–1000Hz. • Voltage Range: 10V / 100V / 250V / 450V AC/DC. • Current Range: 1A / 2A / 6A / 15A / 20A / 25A / 40A AC/DC. • Accuracy better than Class 0.5. • Built-in GPRS wireless communication and GPS positioning. • Supports 3-channel PT100 temperature measurement. 	
Universal AC/DC Three-Phase Power Meter	ZH-4131 (Power Meter) ZH-41031 (3 Voltage Inputs) ZH-41032 (3 Current Inputs)	<ul style="list-style-type: none"> • Universal AC/DC measurement. • Frequency response: 0Hz–1000Hz. • Voltage Range: 10V / 100V / 250V / 450V AC/DC. • Current Range: 1A / 2A / 6A / 15A / 20A / 25A / 40A AC/DC. • Accuracy better than Class 0.5. • Adjustable sampling speed from 20ms to 1000ms. • RS485 Modbus RTU communication. • Multiple power supply options. 	
Three-Phase Harmonic Power Quality Analyzer	ZH-4041H	<ul style="list-style-type: none"> • 31st harmonic measurement and harmonic content analysis. • Voltage/Current: 400V / 5A. • LED display • Measures harmonic voltage/current, positive/negative/zero sequence components. • Power quality analysis functions. • RS485 Modbus RTU output. • 1 DI input and 1 relay output. • Power Supply: 85-265VAC/DC. 	
12-Channel Single-Phase Multi-Parameter Power Acquisition Board	ZH-40244	<ul style="list-style-type: none"> • 12 Voltage Inputs + 12 Current Inputs. • Measures power and full electrical parameters. • Class 0.2 accuracy. • 100ms synchronous sampling. • True RMS measurement. • RS485 Modbus RTU communication. 	
Three-Phase Electrical Parameter Acquisition Module	ZH-4041-1 (RS485) ZH-4041-3 (Ethernet)	<ul style="list-style-type: none"> • Three-phase voltage, current, power and energy measurement. • Frequency response: 30Hz–1000Hz. • Class 0.2 accuracy. • Adjustable sampling speed. • RS485 Modbus RTU or Ethernet Modbus TCP communication. • Wide power supply support. 	
Through-Hole Three-Phase Power Acquisition Module	ZH-4041A (Power Type) ZH-40032A (Current Type)	<ul style="list-style-type: none"> • Through-hole current transformer input. • Supports three-phase or three independent single-phase measurements. • Current Range: 1A / 5A / 10A / 20A / 50A / 80A / 100A. • Class 0.2 accuracy. • Frequency response: 30Hz–1000Hz. • RS485 Modbus RTU or Ethernet communication. • Wide power supply support. 	