








Temperature & Resistance Data Acquisition Modules Catalog

Product Name	Product Model	Features	Picture
8-Channel Thermocouple Temperature Measurement Module	ZH-T08TC-14 (8 Channels, RS485 + RS232) ZH-T06TC-34 (6 Channels, Ethernet)	<ol style="list-style-type: none"> 1. Supports 8-channel thermocouple inputs (B, C, E, J, K, N, R, S, T types); 2. Resolution: 0.1°C; Accuracy up to ±0.3°C; 3. Wide power supply: 9VDC to 30VDC; 4. Communication options: RS485, RS232, or Ethernet; 5. Temperature measurement range: -270°C to +1700°C; 6. Selectable refresh intervals: 340ms, 500ms, 800ms, or 1500ms (default). 	
8-Channel RTD Temperature Measurement Module	ZH-T08PT100-14 (8-Channel PT100, RS485) ZH-T08PT1000-14 (8-Channel PT1000, RS485) ZH-T06PT100-34N1 (6-Channel PT100, Ethernet) ZH-T06PT1000-34N1 (6-Channel PT1000, Ethernet)	<ol style="list-style-type: none"> 1. Temperature measurement range: -200°C to +800°C; 2. Accuracy: ±0.1°C; Resolution: 0.1°C; 3. Operating temperature: -40°C to +70°C; 4. Temperature drift: ≤ ±10ppm/°C; 5. Selectable update rates: 300ms, 500ms, 800ms, or 1500ms (default); 6. Power supply: 9VDC to 36VDC; 7. Communication interface: RS485 (default) or RS232 configurable; Ethernet versions also support RS485 communication; 8. Supports Modbus-RTU and Modbus-TCP protocols. 	

8-Channel Resistance Measurement Module	ZH-T08R-34N1 (Ethernet) ZH-T08R-74N1 (CAN Bus)	<ol style="list-style-type: none"> 1. 8-channel resistance measurement from 0.02Ω to 40MΩ; 2. Accuracy: 0.1%; Resolution: 1mΩ; 3. Wide power supply: 9VDC to 30VDC; 4. Communication options: RS485, Ethernet, or CAN Bus; 5. Independent range setting for each channel; selectable ranges: 25Ω, 1kΩ, 5kΩ, 20kΩ, 100kΩ, 1MΩ, 10MΩ, 40MΩ; 6. Adjustable sampling period from 30ms to 600ms; 7. Supports measurement of diodes, NTC, PTC, PT100, and PT1000 temperature sensors. 	
16-Channel Thermocouple Temperature Measurement Module	ZH-T16TC-14 (16 Channels, RS485 + RS232) ZH-T16TC-34 (16 Channels, Ethernet)	<ol style="list-style-type: none"> 1. Supports 16-channel thermocouple inputs (B, C, E, J, K, N, R, S, T types); 2. Resolution: 0.1°C; Accuracy up to ±0.3°C; 3. Wide power supply: 9VDC to 30VDC; 4. Communication options: RS485, RS232, or Ethernet; 5. Temperature measurement range: -270°C to +1700°C; 6. Selectable refresh intervals: 340ms, 500ms, 800ms, or 1500ms (default). 	
16-Channel RTD Temperature Measurement Module	ZH-T16PT100-14 (16-Channel PT100, RS485) ZH-T16PT1000-14 (16-Channel PT1000, RS485) ZH-T16PT100-34N1 (16-Channel PT100, Ethernet) ZH-T16PT1000-34N1 (16-Channel PT1000, Ethernet)	<ol style="list-style-type: none"> 1. Temperature measurement range: -200°C to +800°C; 2. Accuracy: ±0.1°C; Resolution: 0.1°C; 3. Operating temperature: -40°C to +70°C; 4. Supports PT100, PT1000, Cu50, and Cu100 RTD sensors; 5. Selectable update rates: 300ms, 500ms, 1s, or 2s (default); 6. Power supply: 9VDC to 36VDC; 7. Communication interface: RS485; Ethernet versions also provide RS485 communication; 8. Supports Modbus-RTU and Modbus-TCP protocols. 	
8-Channel NTC Temperature Measurement Module	ZH-T08NTC-14N1 (RS485) ZH-T08NTC-34N1 (Ethernet)	<ol style="list-style-type: none"> 1. Supports NTC sensors such as NTC 10K B=3435, NTC 10K B=3950, NTC 100K B=3950; 2. Accuracy: ±0.1°C; Resolution: 0.1°C; 3. Operating temperature: -40°C to +70°C; 4. Temperature drift: ≤ ±10ppm/°C; 5. Selectable update rates: 300ms, 500ms, 800ms, or 1500ms (default); 6. Power supply: 9VDC to 36VDC; 7. Communication interface: RS485 or Ethernet; 8. Supports Modbus-RTU and Modbus-TCP protocols. 	

<p>8-Channel Fully Isolated Thermocouple Temperature Measurement Module</p>	<p>ZH-T08TI-14N1 (RS485) ZH-T08TI-34N1 (Ethernet + RS485) ZH-T08TI-74N1 (CAN Bus + RS485)</p>	<ol style="list-style-type: none"> 1. Supports 8-channel thermocouple inputs (B, C, E, J, K, N, R, S, T types); 2. Resolution: 0.1°C; Accuracy up to ±0.3°C; 3. Wide power supply: 9VDC to 30VDC; 4. Communication options: CAN Bus, RS485, or Ethernet; 5. Full temperature range measurement: -270°C to +1700°C; 6. Selectable refresh intervals: 45ms, 100ms (default), 220ms, or 450ms; 7. Provides both Celsius (°C) and Fahrenheit (°F) registers; 8. Channel-to-channel isolation; measurement channels, power supply, and communication interfaces are fully isolated for maximum reliability. 	
<p>4-Wire 4-Channel Fully Isolated High-Precision Resistance Measurement Module</p>	<p>ZH-RI04-14N1 (RS485) ZH-RI04-34N1 (Ethernet)</p>	<ol style="list-style-type: none"> 1. 4-wire, 4-channel high-precision resistance measurement; 2. Accuracy: 0.1%; Resolution: 1mΩ; 3. Wide power supply: 9VDC to 30VDC; 4. Communication options: RS485 or Ethernet; 5. Measurement ranges from 20Ω to 200kΩ; 6. Adjustable sampling speeds: 4ms, 6ms, 10ms, or 20ms; 7. Channel isolation with independent isolation between inputs, power supply, and communication interfaces. 	