



11+
14+
15+

| Project | | The preference model | | | |
|--------------|-----------------------|---|---|---------------------|-------------------|
| | | Performance parameters | 11+ | 14+ | 15+ |
| Source | DC millivolt | Range | -10 ~ 1100mV | -10.000 ~ 100.000mV | -100 ~ 1100mV |
| | | Accuracy= ±(% of the set value+% of range) | 0.02%+0.01% | 0.02%+0.01% | 0.02%+0.01% |
| | | Resolution | 1uV | 1uV | 0.01mV |
| | DC voltage | Range | -1 ~ 11V | -0.1 ~ 1V | -1 ~ 11V |
| | | Accuracy= ±(% of the set value+% of range) | 0.02%+0.01% | 0.02%+0.01% | 0.02%+0.01% |
| | | Resolution | 0.1mV | 10uV | 0.1mV |
| | DC current | Range | 0 ~ 22mA | N/A | 0 ~ 22mA |
| | | Accuracy= ±(% of the set value+% of range) | 0.02%+0.02% | N/A | 0.02%+0.02% |
| | | Resolution | 1uA | N/A | 1uA |
| | Sink current | Range | 0 ~ 22mA | N/A | 0 ~ 22mA |
| | | Accuracy= ±(% of the set value+% of range) | 0.02%+0.02% | N/A | 0.02%+0.02% |
| | | Resolution | 1uA | N/A | 1uA |
| | External power supply | Range | 5 ~ 28V | 0 ~ 4KΩ | 5 ~ 28V |
| | | Accuracy= ±(% of the set value+% of range) | 0.02%+0.02% | 0.02%+0.02% | N/A |
| | | Resolution | 0.01Ω/0.1Ω/1Ω | 0.01Ω/0.1Ω | N/A |
| | Resistance | Range | 1Hz ~ 110KHz | N/A | 1Hz ~ 10KHz |
| | | Accuracy= ±(% of the set value+% of range) | 0.02%+0.02% | 0.02%+0.02% | N/A |
| | | Resolution | 0.01Hz/0.1Hz/0.1KHz/2KHz | N/A | 0.01Hz/1Hz/0.1KHz |
| | Frequency | Range | 1Hz ~ 10KHz | N/A | 1Hz ~ 10KHz |
| | | Accuracy= ±2words | N/A | N/A | ±2words |
| Resolution | | 1 ~ 100000cyc | N/A | 1 ~ 100000cyc | |
| Pulse | Range | 1Hz ~ 110KHz | N/A | 1Hz ~ 10KHz | |
| | Accuracy= ±2words | N/A | N/A | ±2words | |
| | Resolution | 1cyc | N/A | 1cyc | |
| Switch | Range | 10types (R/S/K/E/J/T/B/N/L/U) | 10types (R/S/K/E/J/T/B/N/L/U) | N/A | |
| | Accuracy= ±2words | N/A | N/A | N/A | |
| | Resolution | 0.01Hz/1Hz/0.1KHz/2KHz | N/A | N/A | |
| Thermocouple | Range | 10types (R/S/K/E/J/T/B/N/L/U) | 10types (R/S/K/E/J/T/B/N/L/U) | N/A | |
| | Accuracy= ±2words | N/A | N/A | N/A | |
| | Resolution | 0.01Hz/1Hz/0.1KHz/2KHz | N/A | N/A | |
| RTD | Range | 6types (Pt100/Pt200/Pt500/Pt1000/Cu10/Cu50) | 6types (Pt100/Pt200/Pt500/Pt1000/Cu10/Cu50) | N/A | |
| | Accuracy= ±2words | N/A | N/A | N/A | |
| | Resolution | 0.1°C | 0.1°C | N/A | |

| Measure | DC millivolt | Range | | Accuracy= ±(% of Reading+% of Range) | | Resolution | | | |
|------------------------------|----------------------------------|---|---|--------------------------------------|----------------------------------|----------------------------------|----------------------------------|-----------------|-----------------|
| | | -5 ~ 550mV | -20 ~ 220mV | 0.02%+0.01% | 0.02%+0.02% | 1uV/10uV | 0.01mV | | |
| DC voltage | DC voltage | Range | | Accuracy= ±(% of Reading+% of Range) | | Resolution | | | |
| | | N/A | N/A | 0.02%+0.01% | 0.1mV/1mV | | | | |
| DC current | DC current | Range | | Accuracy= ±(% of Reading+% of Range) | | Resolution | | | |
| | | N/A | N/A | 0.02%+0.01% | 1uA | | | | |
| Resistance | Resistance | Range | | Accuracy= ±(% of Reading+% of Range) | | Resolution | | | |
| | | 0 ~ 5.5KΩ | N/A | 0.05%+0.02% | 0.01Ω/0.1Ω | | | | |
| Frequency | Frequency | Range | | Accuracy= ±(% of Reading+% of Range) | | Resolution | | | |
| | | 3 ~ 50KHz | N/A | 0.02%+0.01% | ±2words | | | | |
| | | 0.01Hz/0.1Hz/1Hz | N/A | 0.02%+0.01% | ±2words | | | | |
| Switch | Switch | Range | | Accuracy= ±(% of Reading+% of Range) | | Resolution | | | |
| | | 200 ~ 300Ω | N/A | 0.02%+0.01% | ±2words | | | | |
| Pressure | Pressure | Range | | Accuracy= ±(% of Reading+% of Range) | | Resolution | | | |
| | | Depends on the pressure module | N/A | 0.02%+0.01% | ±2words | | | | |
| Loop power supply | Loop power supply | Range | | Accuracy= ±(% of Reading+% of Range) | | Resolution | | | |
| | | 24V | N/A | 0.02%+0.01% | ±10% | | | | |
| Thermocouple | Thermocouple | Range | | Accuracy= ±(% of Reading+% of Range) | | Resolution | | | |
| | | 10types (R/S/K/E/J/T/B/N/L/U) | N/A | 0.02%+0.01% | ±10% | | | | |
| | | 0.7°C | N/A | 0.02%+0.01% | ±10% | | | | |
| RTD | RTD | Range | | Accuracy= ±(% of Reading+% of Range) | | Resolution | | | |
| | | 6types (Pt100/Pt200/Pt500/Pt1000/Cu10/Cu50) | N/A | 0.02%+0.01% | ±10% | | | | |
| | | 0.1°C | N/A | 0.02%+0.01% | ±10% | | | | |
| Continuity beeper | Continuity beeper | Range | | Accuracy= ±(% of Reading+% of Range) | | Resolution | | | |
| | | 0 ~ 500Ω | N/A | 0.02%+0.01% | ±10% | | | | |
| | | ≤500 Sound | N/A | 0.02%+0.01% | ±10% | | | | |
| Other functions | Other functions | Range | | Accuracy= ±(% of Reading+% of Range) | | Resolution | | | |
| | | Backlight | ✓ | ✓ | ✓ | ✓ | | | |
| | | Auto Power-off | ✓ | ✓ | ✓ | ✓ | | | |
| | | Charging function | ✓ | ✓ | ✓ | ✓ | | | |
| | | Room temperature display | ✓ | ✓ | ✓ | ✓ | | | |
| | | Battery detection | ✓ | ✓ | ✓ | ✓ | | | |
| | | Communication function | RS232 serial communication, can realize remote control instrument by the device driver software | | | | | | |
| | | The mathematical treatment | Data hold, zero, average | Data hold, zero, average | Data hold, zero, average | Data hold, zero, average | Data hold, zero, average | | |
| | | Characteristic | | | | | | | |
| | | Safety | EN61010-1: 2001 | EN61010-1: 2001 | EN61010-1: 2001 | EN61010-1: 2001 | EN61010-1: 2001 | EN61010-1: 2001 | EN61010-1: 2001 |
| Insulation | DC500V /50MΩ | DC500V /50MΩ | DC500V /50MΩ | DC500V /50MΩ | DC500V /50MΩ | DC500V /50MΩ | DC500V /50MΩ | | |
| EMC | EN61326-1: 2006 | EN61326-1: 2006 | EN61326-1: 2006 | EN61326-1: 2006 | EN61326-1: 2006 | EN61326-1: 2006 | EN61326-1: 2006 | | |
| Authentication | CE | CE | CE | CE | CE | CE | CE | | |
| Display | Double display on the LCD screen | Double display on the LCD screen | Double display on the LCD screen | Double display on the LCD screen | Double display on the LCD screen | Double display on the LCD screen | Double display on the LCD screen | | |
| Power supply | 4×1.5V AAA alkaline battery | 4×1.5V AAA Alkaline battery | 4×1.5V AAA Alkaline battery | 4×1.5V AAA Alkaline battery | 4×1.5V AAA Alkaline battery | 4×1.5V AAA Alkaline battery | 4×1.5V AAA Alkaline battery | | |
| Size | 205 × 95 × 42 mm | 205 × 95 × 42 mm | 205 × 95 × 42 mm | 205 × 95 × 42 mm | 205 × 95 × 42 mm | 205 × 95 × 42 mm | 205 × 95 × 42 mm | | |
| Weight | About 500g | About 500g | About 500g | About 500g | About 500g | About 500g | About 500g | | |
| Standard Quantity Per Carton | 10pcs | 10pcs | 10pcs | 10pcs | 10pcs | 10pcs | 10pcs | | |
| Standard Carton Measurement | 395mm*385mm*260mm | 395mm*385mm*260mm | 395mm*385mm*260mm | 395mm*385mm*260mm | 395mm*385mm*260mm | 395mm*385mm*260mm | 395mm*385mm*260mm | | |
| Standard Carton Cross Weight | 10.4Kg | 10.3Kg | 10.3Kg | 10.3Kg | 10.3Kg | 10.3Kg | 11.5Kg | | |

* /te: table range for the maximum range, precision is the highest accuracy (reading%), the resolution is the highest resolution.