



230



230A



330



6801

| Basic Function | | 230 | 230A | 330 |
|--|------------------------------|-------------|-------------|-------------|
| Function | Sensor Inside | ✓ | ✓ | ✓ |
| | External Temperature Probe | ✓ | ✓ | ✓ |
| Temperature Measuring Range | (0-50) °C / (32-120) °F | ✓ | ✓ | ✓ |
| Temperature Range of External Probe | (-2-70) °C / (-4-158) °F | | ✓ | |
| Humidity Range | (20%-90%) RH (30%-90%) RH | | ✓ | ✓ |
| Temperature Accuracy | ±1.0°C (1.8°F) | ✓ | ✓ | ✓ |
| Humidity Accuracy | ±5% (40%-80%) Others ±8% | ✓ | ✓ | ✓ |
| Temperature Resolution Display | 0.1°C (0.1°F) | ✓ | ✓ | ✓ |
| Special Function | | | | |
| Temperature/°C/°F switch | | ✓ | ✓ | ✓ |
| Alarm Clock | | ✓ | ✓ | ✓ |
| 12/24 hours system clock | | ✓ | ✓ | ✓ |
| Alarm On Schedule | | ✓ | ✓ | ✓ |
| Calendar Display | | ✓ | ✓ | ✓ |
| Maximum / Minimum Temperature And Humidity | | ✓ | ✓ | ✓ |
| Memory | | ✓ | ✓ | ✓ |
| Battery | AAA 1.5V | AAA 1.5V | AAA 1.5V | AAA 1.5V |
| Product Size | | 95x105x17mm | 95x105x17mm | 110x93x66mm |

Note: 230 and 230A can't be tested for industry use. The test results are just for reference.

| Model | 231 (Normal model) | 231A (Bluetooth model) |
|---------------------------|--|------------------------|
| LCD | 4-digit LCD display | |
| Temperature range | -25°C~75°C(-13°F~167°F) | |
| Humidity range | 0~99.9%RH | |
| Temperature accuracy | ±0.3°C(15~40°C)Other ±1°C | |
| Humidity Accuracy | ±3%RH(30~80%RH)Other ±4%RH | |
| Temperature resolution | 0.1°C | |
| Humidity resolution | 0.1%RH | |
| Temperature max/Min/Alarm | ✓ | |
| Humidity max/Min/Alarm | ✓ | |
| Data retention | ✓ | |
| Working environment | 0~40°C(<90%RH non-condensing) | |
| Storage environment | -20~60°C(<75%RH) | |
| Power supply | 3 1.5V batteries (7#) or USB Type-C power supply | |
| Sampling rate | 1 time/second | |
| Shell material | ABS | |
| Size | 169*56*32mm | |
| Weight | About 150g (including battery) | |



231/231A

| 6801 | | | |
|---|--|-------------|----------------|
| Function | Resolution | Range | Basic accuracy |
| 1°C | 1°C | -50-1000°C | ±(0.3%+2°C) |
| 1°C | 1°C | 1000-1300°C | ±(0.5%+2°C) |
| 1°F | 1°F | -238-1000°F | ±(0.3%+2°F) |
| 1°F | 1°F | 1000-2372°F | ±(0.5%+3°F) |
| Special function | | | |
| Unit symbol display | ✓ | | |
| Max. display | 10000 (3 1/2 digital LCD with max. reading of 1999) | | |
| Sample rate | 2.5 times/s | | |
| Storage environment / relative humidity | Temperature 0°C-50°C (32°F-122°F), relative humidity < 80% | | |
| Over range indication | The MSD "1" or "1" displays | | |
| Measuring method | TP01 K-type temperature probe | | |
| Measuring range | -50-1300°C / -58-1999°F | | |
| Dimension | 149*71*35mm | | |
| Weight | 200g | | |
| Power | 2*1.5V AAA | | |



320/320M



320B



Multilingual



USB transfer/charging



Unit conversion



Photo/Video



Automatic shut-down



Temperature alarm



8 pseudo-colors



Emissivity adjustable

Technical indicators

| Basic skills | | 320M | 320 | 320B |
|--------------------------|--|--|--------|-----------|
| IR thermal imaging | Resolution | 120x90 | 120*90 | 256*192 |
| | Working band | 8~14um | | |
| | Frame rate | 25Hz | | |
| | NETD | 60mK@25°C | | |
| | Field of view | 38°X50° | | 55.6°*42° |
| | Lens | 2.3mm F1.1 | | |
| | Scope | -20~400°C | | |
| | Precision | ±3°C or ±3% of reading | | |
| | Emissivity | 0.01 to 1.00 adjustable | | |
| | Support point | Full screen maximum/minimum/center/area temperature measurement | | |
| Visible light | Resolution | 720P | | |
| | Field of view | 55°X83° | | |
| Image display | Image mode | Edge blending, overlay blending, picture-in-picture, single IR, single visible light | | |
| | Capacity | 8G built-in memory, can store more than 20,000 pictures | | |
| | Image storage format | JPG | | |
| Storage | Video format | MP4 | | |
| | Basic parameters | | | |
| language | Chinese (Simplified), Chinese (Traditional), English, French, German, Spanish, Dutch, Japanese, Korean, Arabic | | | |
| Power supply | Built-in 2600mAh large capacity rechargeable battery | | | |
| Display size | 2.8 inches | | | |
| Body color | Black | | | |
| Body weight | About 310g | | | |
| Dimensions | 70*80*200mm | | | |
| Standard accessories | USB Type-C data cable, GB charging head, lanyard, manual | | | |
| Standard inner packaging | Color box | | | |
| Package size | 50*45*34cm | | | |