Digital Thermometer (K-TYPE)  
DE-3003 / DE-3004

FEATURES:
- DE-3003: Single Channel  
  DE-3004: Two Channels
- Data Hold Function
- Resolution:
  DE-3003: ±0.1°C / ±0.1°F, ±1°C / ±1°F
  DE-3004: ±1°C / ±1°F
- Wide Measuring Range:
  DE-3003: -50°C~1300°C (-58°F~1999°F)
  DE-3004: -50°C~1300°C (-58°F~1999°F)

SPECIFICATIONS:
- Input Protection: 60V DC or 24Vrms AC Maximum
- Battery: 9V, NEDA 1604, IEC 6F22, JIS 006P

TEMP / HUMIDITY:
- Operation: 0°C~50°C (32°F~122°F) Below 80% R.H.
  (no condensation)
- Storage: -10°C~60°C (14°F~140°F) Below 70% R.H.
  (no condensation)

DIMENSION & WEIGHT:
- 148(L) x 71(W) x 36(H)mm (5.83 x 2.8 x 1.42"
- Approx. 210g (0.46 lbs.)

MEASUREMENT RANGES:

<table>
<thead>
<tr>
<th>DE-3003</th>
<th>Measurement Ranges</th>
<th>Accuracy</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>-50°C~1000°C</td>
<td>±(0.3%rdg+1°C)</td>
</tr>
<tr>
<td></td>
<td>1000°C~1300°C</td>
<td>±(0.5%rdg+1°C)</td>
</tr>
<tr>
<td></td>
<td>-58°F~1999°F</td>
<td>±(0.3%rdg+2°F)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DE-3004</th>
<th>Measurement Ranges</th>
<th>Accuracy</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0°C~1000°C</td>
<td>±(0.3%rdg+1°C)</td>
</tr>
<tr>
<td></td>
<td>1000°C~1300°C</td>
<td>±(0.5%rdg+1°C)</td>
</tr>
<tr>
<td></td>
<td>32°F~1999°F</td>
<td>±(0.3%rdg+2°F)</td>
</tr>
<tr>
<td></td>
<td>-50°C~0°C</td>
<td>±2°C</td>
</tr>
<tr>
<td></td>
<td>-58°F~32°F</td>
<td>±4°F</td>
</tr>
</tbody>
</table>

ACCESSORIES:
- Battery 9V...........................................1
- Instruction Manual..............................1
- Thermocouple (NR-39)
  DE-3003...........................................1
  DE-3004...........................................2
- Rubber Holster + Stand Rack....................1

Appearance and specification may be revised if needed without notice in prior.

www.deree.com.tw
## FEATURES:
- Auto Range
- TYPE K, J, E, T, R, S Thermocouple Thermometer
- Humidity Range: 1%~99% R.H. (DE-3009)
- Fast Response
- High Accuracy
- Auto Power Off Selection
- Resolution 0.1 °C/°F or 1°C/°F
- Simultaneous MAX/MIN/AVG Reading Memory
- MAX Hold, MIN Hold, Data Hold
- Relative Measurement
- Manual Operate 10 Sets of Built-In Memory With Timer
- Splash-Proof Design
- Low Battery Indication
- RS-232 Interface (Software, Cable -- Optional)
- Dual Inputs (Two Channels – A & B) (DE-3008, DE-3008A)

## TEMP. / HUMIDITY:
- Operation: -10°C~50°C (14°F~122°F)
  - Below 80% R.H. (no condensation)
- Storage: -20°C~60°C (-4°F~140°F)
  - Below 80% R.H. (no condensation)

## ACCURACY:

<table>
<thead>
<tr>
<th>Model</th>
<th>Measurement Range</th>
<th>Resolution</th>
<th>Accuracy (°C/°F)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DE-3007</td>
<td>-200°C~100°C</td>
<td>0.1°C</td>
<td>0.5%+0.5°C</td>
</tr>
<tr>
<td>DE-3008</td>
<td>-100°C~220°C</td>
<td>0.1°C</td>
<td>0.2%+0.5°C</td>
</tr>
<tr>
<td>DE-3009</td>
<td>+20°C~+1370°C</td>
<td>1°C</td>
<td>0.2%+1°C</td>
</tr>
</tbody>
</table>

### Thermometer Temperature

<table>
<thead>
<tr>
<th>Model</th>
<th>Measurement Range</th>
<th>Resolution</th>
<th>Accuracy (°C/°F)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DE-3007</td>
<td>-328°F~+148°F</td>
<td>1/1°F</td>
<td>0.1°F+0.5°F</td>
</tr>
<tr>
<td>DE-3008</td>
<td>-148°F~+428°F</td>
<td>0.1°F</td>
<td>0.2%+1°F</td>
</tr>
<tr>
<td>DE-3009</td>
<td>+428°F~+248°F</td>
<td>1/1°F</td>
<td>0.2%+2°F</td>
</tr>
</tbody>
</table>

### Accessories
- K-TYPE Thermocouple (NR-39) DE-3007/3007A/3009
- DE-3008/3008A
- Thermo-Hygrometer Sensor DE-3009
- Battery AA 1.5V
- Instruction Manual
- RS-232 Cable, Software (Optional)

### Dimension & Weight:
- 179 (L) x 72 (W) x 32 (H) mm
- (7”x2.83”x1.26”)
- Approx. 220g

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Appearance and specification may be revised if needed without notice in prior.

www.deree.com.tw
DE-33  Wireless thermometer  
(two channels)

Features:
- RF Transmission
- Audible Alarm Mode for HI or LO Temperature Set
- Remote Monitoring Temperature Change
- Auto Data Logger
- Dual Display of Temperature from Two Channels
- Max/Min Temperature Memory with Time Indication
- Auto Data Refresh (3 minutes)
- 24 Hours Clock Indication
- Sensor Type : Thermocouple K-Type
- Measurement Channel : 2 Channels for A & B
- Low Battery Indication
- Display : LCD, 3 1/2 Digits
- Resolution : 0.1/1°C
- Auto Range
- RS-232 Interface & Software (optional)

Accuracy:
(23°C ±5°C, 80% R.H. MAX.)

<table>
<thead>
<tr>
<th>Measurement Ranges</th>
<th>Accuracy±(%rdg+°C)</th>
</tr>
</thead>
<tbody>
<tr>
<td>-199.9°C~0°C</td>
<td>±(0.5%+1)</td>
</tr>
<tr>
<td>0°C~199.9°C</td>
<td>±(0.2%+0.5)</td>
</tr>
<tr>
<td>200°C~1370°C</td>
<td>±(0.2%+1)</td>
</tr>
</tbody>
</table>

Specifications:
- RF Transmission Range: Wireless transmission of data-distance 300 feet (100M) at open space
- RF Transmission Frequency: 433MHz (approx)
- Interval of Transmission from Sensor to Main Unit: 3 minutes
DE-3301  Sonometer

An instrument can measure the ambient sound level to create a better and comfortable working or residential environment. It comes with a high sensitivity and an economic price.

Features:
- Resolution 0.1 dB update cycle 0.5S
- Electric condenser microphone
- Max / Min function
- External battery access door for easy replacement

Specifications:

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Size</strong></td>
<td>275 (L) x 64 (W) x 30 (H) mm</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>280g</td>
</tr>
<tr>
<td><strong>Accuracy</strong></td>
<td>±1.5 dB (ref 94 dB @1KHz)</td>
</tr>
<tr>
<td><strong>Level range</strong></td>
<td>LO = 30 ~ 80dB, MED = 50 ~ 100dB, HI = 80 ~ 130dB</td>
</tr>
<tr>
<td><strong>Frequency weighting</strong></td>
<td>A, C</td>
</tr>
<tr>
<td><strong>Time weighting</strong></td>
<td>fast &amp; slow</td>
</tr>
<tr>
<td><strong>Auxiliary output</strong></td>
<td>AC - 1Vrms / 600Ω</td>
</tr>
<tr>
<td></td>
<td>DC - 10mV / dB / 50Ω</td>
</tr>
<tr>
<td><strong>Dynamic range</strong></td>
<td>50 dB</td>
</tr>
<tr>
<td><strong>Frequency range</strong></td>
<td>31.5Hz ~ 8KHz</td>
</tr>
<tr>
<td><strong>Display</strong></td>
<td>4 digit LCD</td>
</tr>
</tbody>
</table>

**CE approval**: IEC 651 Type II
Digital Light Meter

FEATURES:
- Sensor Used The Exclusive Photo Diode & Color Correction Filter.
- Data Hold Function.
- Light Sensor Separate Design For Optimum Position Measure.
- Measurement Range Scale & Illuminated Units Are Displayed On LCD.
- Low Battery Indication.
- Offset Adjustment.
- High Accuracy & Sensitive.
- Large LCD Display And Distinct Digital Data Reading.
- Power Consumption: Approx. 2.5mA.
- Response Speed: 2.5 Times/Sec.
- "OL" Display When Over Range.

SPECIFICATIONS:
- Indication: 3 1/2 Digits LCD Readings With Maximum Value 2000.
- Photometer Range (nm): 400~700
- Sensitivity Peak Wavelength (nm): 550
- Photometer Units: LUX or Foot-Candle (FC); 1FC=10.76 LUX.
- Measuring Range Scale:
  - DE-3350: 0.1~19999 LUX, 0.01~1999 FC;
  - DE-3351: 0.1~199900 LUX, 0.01~19990 FC.
- External Connection (DE-3351)
  - DC Jack Output (I.D. Ø3.5 mm): DC 1mV/dgt (Max.)
  - DC 2V/F.S., Accuracy is ±0.5% rdg compare with meter’s output.

TEMP/ HUMIDITY:
- Operation: 0°C~50°C (32°F~122°F) / Below 80% R.H. (no condensation)
- Storage: -10°C~60°C (14°F~140°F) / Below 70% R.H. (no condensation)

READING DATA ACCURACY:
(23°C ± 5°C, 80% R.H. MAX.)
*Accuracy: ±(%rdg+dgt)

<table>
<thead>
<tr>
<th>Model</th>
<th>Lux</th>
<th>Accuracy</th>
<th>FC</th>
<th>Accuracy</th>
</tr>
</thead>
<tbody>
<tr>
<td>DE-3350</td>
<td>200</td>
<td>4%+5</td>
<td>200</td>
<td>4%+5</td>
</tr>
<tr>
<td></td>
<td>2000</td>
<td>4%+5</td>
<td>2000</td>
<td>4%+5</td>
</tr>
<tr>
<td></td>
<td>20000</td>
<td>5%+4</td>
<td>2000</td>
<td>5%+4</td>
</tr>
<tr>
<td>DE-3351</td>
<td>200</td>
<td>4%+5</td>
<td>200</td>
<td>4%+5</td>
</tr>
<tr>
<td></td>
<td>2000</td>
<td>4%+5</td>
<td>2000</td>
<td>4%+5</td>
</tr>
<tr>
<td></td>
<td>20000</td>
<td>5%+4</td>
<td>2000</td>
<td>5%+4</td>
</tr>
</tbody>
</table>

DIMENSION & WEIGHT:
- Meter:
  - 148(L) x 71(W) x 36(H)mm
  - (5.83"x2.8"x1.42")
- Light Receiver:
  - 85(L) x 67(W) x 32(H)mm
  - (3.35"x2.64"x1.26")
- Weight:
  - Meter & Light Receiver Approx. 270g (0.6 lbs.)
  - (Including Battery)

ACCESSORIES:
- Battery 9V: 1
- Instruction Manual: 1
- Leather Gift Box: 1