FEATURES
- Extreme resistance to shock and vibration
- Exclusive movementless design eliminates wear and increases product life
- Maxivision® dial for precise readings (minimize parallax reading errors)
- All SS case, stem and Everyangle™ harness
- Gas-operated molecular sieve
- Custom Dials

TYPICAL USES
- Offshore oil rigs
- Chemical and petrochemical plants
- Water and wastewater temperature control
- Pulp and paper
- Refineries
- Power
- General industrial
- Equipment skids
- HVAC
- Pharmaceutical / Biotech
- Food and beverage

SPECIFICATIONS
- Accuracy: ±1% of span
- Size: 4½”
- Range: -320°F/200°F to 400°F/1,200°F (-200°C/100°C to 200°C/650°C)
- Over Range: 125% of span
- Process Connection: ½ NPT Union
- Mounting: Direct mount
- Stem Length: 6”, 9”, 12”, 15”, 18”, 24”, 30” or 36”
- Stem Diameter: 0.375”
- Dial: Maxivision® linear anti-parallax dial, black markings on a white dial
- Hand Set: Stationary red hand set or Externally adjustable Red set hand
- Pointer: Black, aluminum

THERMAL SYSTEM

<table>
<thead>
<tr>
<th>Connection Material</th>
<th>Stem</th>
</tr>
</thead>
<tbody>
<tr>
<td>316 SS</td>
<td>316 SS</td>
</tr>
</tbody>
</table>

NON-WETTED COMPONENTS

<table>
<thead>
<tr>
<th>Window</th>
<th>Case</th>
<th>Ring</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glass, safety glass or acrylic</td>
<td>304 SS</td>
<td>304 SS bayonet ring</td>
</tr>
</tbody>
</table>

TEMPERATURE LIMITS

<table>
<thead>
<tr>
<th>Version</th>
<th>Ambient</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dry</td>
<td>-13°F (-25°C) to 160°F (71°C)</td>
</tr>
</tbody>
</table>
C-600B Duratemp® Thermometer

ORDERING CODE

Example: C-600B 01 AB -XSG

Direct Mount

C-600B - 4½" Case size, SS bayonet ring, Everyangle™ connection

Stem Length

01 - 6" Stem length “S” dimension
02 - 9" Stem length “S” dimension
03 - 12" Stem length “S” dimension
04 - 15" Stem length “S” dimension
05 - 18" Stem length “S” dimension
06 - 24" Stem length “S” dimension
07 - 30" Stem length “S” dimension
08 - 36" Stem length “S” dimension

Ranges (coding example, see range table below for all standard ranges)

AB - –320°F/200°F (-200°C/100°C)

Options (if choosing an option(s) must include an “X”)

DM - Dial marking
EO - Externally adjustable red set hand
EP - Externally adjustable maximum pointer
EQ - Externally adjustable minimum pointer
NH - SS tag
NN - Paper tag
PD - Acrylic window
SG - Safety glass
SH - Stationary red set hand

NOTES

1. Minimum recommended insertion length (“u” dimension) in liquids is 4 inches and in gases is 6 inches for standard ¾ × 3” bulb.
2. Thermowells must be used on any application where the bulb of the thermometer may be exposed to pressure, corrosive fluids, or velocity. Additionally, the use of a thermowell permits instrument interchangeability or recalibration without shutting down the process.
3. When using a threaded thermowell in temperatures 750°F and above, a 3” lag is recommended.

SINGLE RANGES

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>AB</td>
<td>–320°F/200°F</td>
<td>AY</td>
<td>–200°C/100°C</td>
</tr>
<tr>
<td>AE</td>
<td>–100°F/100°F</td>
<td>BL</td>
<td>–80°C/40°C</td>
</tr>
<tr>
<td>AG</td>
<td>–40°F/180°F</td>
<td>BN</td>
<td>–40°C/80°C</td>
</tr>
<tr>
<td>AK</td>
<td>20°F/240°F</td>
<td>BS</td>
<td>0°C/120°C</td>
</tr>
<tr>
<td>AL</td>
<td>50°F/300°F</td>
<td>BT</td>
<td>10°C/150°C</td>
</tr>
<tr>
<td>AN</td>
<td>50°F/550°F</td>
<td>BU</td>
<td>0°C/300°C</td>
</tr>
<tr>
<td>AR</td>
<td>50°F/750°F</td>
<td>BW</td>
<td>0°C/400°C</td>
</tr>
<tr>
<td>AT</td>
<td>400°F/1,200°F</td>
<td>BJ</td>
<td>200°C/650°C</td>
</tr>
</tbody>
</table>

DUAL RANGES

<table>
<thead>
<tr>
<th></th>
<th></th>
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<th></th>
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</thead>
<tbody>
<tr>
<td>CE</td>
<td>0°C/120°C and 20°F/240°F</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CF</td>
<td>0°C/300°C and 50°F/550°F</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DR</td>
<td>10°C/150°C and 50°F/300°F</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DT</td>
<td>–40°C/80°C and –40°F/180°F</td>
<td></td>
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</tr>
</tbody>
</table>
## DIMENSIONS

In [ ] are millimeters

For reference only, consult Ashcroft for specific dimensional drawings

<table>
<thead>
<tr>
<th>Dial Size Inches</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
</tr>
</thead>
<tbody>
<tr>
<td>4½</td>
<td>4.72</td>
<td>2.06</td>
<td>5.10</td>
<td>3.08</td>
<td>4.22</td>
<td>3</td>
<td>1</td>
<td>0.38</td>
</tr>
</tbody>
</table>

For reference only, consult Ashcroft for specific dimensional drawings.