### SPECIFICATIONS

**Type:** Hand-held, 12-digit, one memory calculator with mark-up function

**Display:** \( \frac{1}{2} \) 12-digit liquid crystal display (LCD)

**Calculation Capacity:** 12 digits in all calculations

**Decimal Point System:** Floating

**Features:** Arithmetic calculation, percent, memory, floating decimal, ratios, grand totals, auto power off

**Indication Functions:** Grand Total, Memory, Error

**Power:** Dual power supply - solar cells and 1.5 Volt battery. Battery takes over when light is insufficient for adequate power output from solar cells.

**Case:** ABS plastic, drop-proof, chemical-resistant

**Size/Weight:** 4 \( \frac{1}{2} \) \( \times \) 2 \( \frac{1}{2} \) \( \times \) 5 \( \frac{5}{8} \) inches / 3 oz

### STANDARD CALCULATOR KEYS

<table>
<thead>
<tr>
<th>Key</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>[ON/AC]</td>
<td>Power on, reset and clear memory</td>
</tr>
<tr>
<td>[CE]</td>
<td>Cancel entry only</td>
</tr>
<tr>
<td>[MU]</td>
<td>Mark-up</td>
</tr>
<tr>
<td>[GT]</td>
<td>Grand total</td>
</tr>
<tr>
<td>[OFF]</td>
<td>Power off</td>
</tr>
<tr>
<td>[0...9]</td>
<td>Numeric keys</td>
</tr>
<tr>
<td>[.]</td>
<td>Decimal point key</td>
</tr>
<tr>
<td>[+/-]</td>
<td>Basic math functions</td>
</tr>
<tr>
<td>[%]</td>
<td>Percent</td>
</tr>
<tr>
<td>[+/-]</td>
<td>Sign change</td>
</tr>
<tr>
<td>[MRC]</td>
<td>Memory recall - Depress once to recall memory</td>
</tr>
<tr>
<td>[M+]</td>
<td>Memory clear - Depress twice to clear memory</td>
</tr>
<tr>
<td>[M-]</td>
<td>Memory plus</td>
</tr>
</tbody>
</table>

### SETUP

No initial setup is required. The 12-Digit Computer is supplied with solar cells and battery already installed. Simply flip open, using the finger tab on the outer case, press [ON/AC] key and the calculator is ready to use. The unit will automatically power off after 8 minutes of non-use. When finished press [OFF] key and close the calculator.

### OPERATION

Use in the same manner as any standard calculator.

### CALCULATIONS

#### [GT] Grand Total Memory

Each press of the [=] key will automatically add the result to the [GT] memory. To recall the [GT] memory, press the [GT] key once. To cancel the [GT] memory, press the [ON/AC] key.

**Example 1:**

\[
\begin{align*}
2 & \ [+] 3 = 5 \\
2 & \ [\times] 3 = 6 \\
& \ [GT] \ 5 \ 6 \\
\end{align*}
\]

**Example 2:**

\[
\begin{align*}
115 & \ [-] 280 \ [+] 105 \ [=] 500 \ \text{ANSWER} \\
A & \ 115 \ [-] \ [GT] \ [\%] = 23 \ 115 \ (23\%) \\
B & \ 280 \ [-] \ [GT] \ [\%] = 56 \ 280 \ (56\%) \\
C & \ 105 \ [-] \ [GT] \ [\%] = 21 \ 105 \ (21\%) \\
\text{Total} & \ 500 (100\%) \\
\end{align*}
\]

#### [MU] Mark-up

Use to calculate profits and discounts.

**Example 1:** If a 20% discount is offered on a $10 list item, find the new price and the dollar saving.

\[
10 \ [\times] 20 \ [+/-] \ [MU] \ \text{display reads 8} \ ($8 \text{ is the new price})
\]

\[
[MU] \ \text{display reads 2} \ ($2 \text{ is the saving})
\]

**Example 2:** If a $10 item is to be marked-up by 20%, find the selling price and the dollar difference.

\[
10 \ [\times] 20 \ [MU] \ \text{display reads 12} \ ($12 \text{ is selling price})
\]

\[
[MU] \ \text{display reads 2} \ ($2 \text{ is the difference between $10 and $12})
\]

### ALL OPERATIONAL DIFFICULTIES

If this unit does not function properly for any reason, please replace the battery with a new high-quality battery (see "Battery Replacement" section). Low battery power can occasionally cause any number of "apparent" operational difficulties. Replacing the battery with a new fresh battery will solve most difficulties.

### BATTERY REPLACEMENT

Locate the battery cover below the display. Depress the battery cover at the arrowhead next to "OPEN". Gently lift up the left-hand edge and pull the battery cover out. Remove the exhausted battery and install a new 1.5 volt silver-oxide battery. Install the new battery so that the positive side is facing upward. Carefully reposition the battery cover and snap back into place. Replacement battery Cat. No. 1102.

### WARRANTY, SERVICE OR RECALIBRATION

For warranty, service or recalibration contact:

**CONTROL COMPANY**

4455 Rex Road
Friendswood, Texas 77546 USA
Ph. 281-482-1714 Fax 281-482-9448
E-mail sales@control3.com
www.control3.com

Control Company is ISO 9001 Quality-Certified by DNV and ISO 17025 accredited as a Calibration Laboratory by A2LA.

12-Big Digit Computer Instructions

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Rev. 1 062504

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