

## **CONTROL GROUPS**

REGISTERS

KEYPAD

UNITS

CONVERSION

## **HOW TO...**

Enter values with units

Enter fractional amounts

Perform Calculations

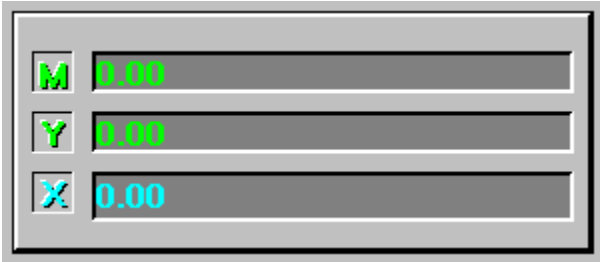
Use memory functions

Convert units

Change Display Format

## REGISTERS

The registers display the current values



**M (MEMORY)** Used for temporary storage during repetitive calculations

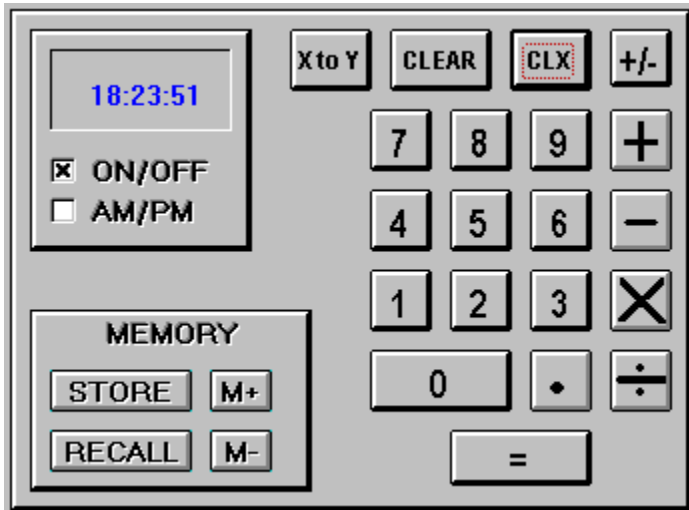
**Y** Contains the first of two values to be used in an operation

**X** Contains the second of two values to be used in an operation  
Contains the value for units conversion.

SEE **HOW TO MANIPULATE REGISTERS**



## KEYPAD CONTROL GROUP



SEE NUMERIC KEYS

SEE OPERATOR KEYS

SEE REGISTER MANIPULATION

SEE CLOCK

SEE USING MEMORY

## CLOCK



ON/OFF Toggles the clock display on or off

AM/PM Selects between 24 hour and AM/PM format.

**NUMERIC KEYS**

0 to 9 and .: used to enter numbers. Either click with the mouse or use the keypad.

## **OPERATOR KEYS**



changes the sign of the number in the X register



Moves the current X value to Y and readies the X register for the number to be added. Use **(+)** on the keyboard.



Moves the current X value to Y and readies the X register for the number to be subtracted. Use **(-)** on the keyboard.



Moves the current X value to Y and readies the X register for the number to multiply by. Use **(\*)** on the keyboard.



Moves the current X value to Y and readies the X register for the number to divide by. Use **(/)** on the keyboard.



completes the pending operation. Result displayed in X. Use **(Enter)** on the keyboard.

## **SEE PERFORMING CALCULATIONS**





## UNITS CONVERSION GROUP



The Conversion control group allows you to convert from one unit of measure to another, such as converting feet to meters.


See [Converting Units](#)



## ENTERING VALUES WITH UNITS

In order to perform calculations containing units, type or click on the desired numerical values, then click on the desired units button in the Units Control Group

For example, to enter the value 3.175 meters:


From the Keypad, click on 



Then from the Units Group, click on 

The X Register will display: 

To enter the value 2 feet 3 inches:

From the keypad, click on  From the **Units Control Group** click on



From the Keypad, click on



From the **Units Control Group**, click on



The X Register will display: 



## ENTERING FRACTIONAL AMOUNTS

To enter the value 2 feet 3 1/2 inches:

From the **Keypad**, click on  From the **Units Group** click on



From the **Keypad**, click on



From the **Units Group**, click on



The X Register will display:

 X 2 ft 3 in


From the **Keypad**, click on  From the **Units Group** click on



, from the **Keypad** click on



.. then click on



from the **Units Group**.

The X Register will display:

 X 2 ft 3 in 1/2 in



## UNITS CONTROL GROUP



The units control group allows you to select the units, such as feet, inches, meters, etc., that you may want to use. It also allows you to enter fractional amounts such as 1/4 inch.

See [Entering Units](#)  
[Entering Fractions](#)





## HOW TO CONVERT UNITS



### TYPE WINDOW

Displays the type of units currently in the X register, such as linear (feet), area (square feet), or volume (cubic feet).

Units conversion only affects the value in the X Register. The value to be converted must be in the X register. Then click on the desired units in the

### Conversion Control Group



Converts the value in the X register to linear, square, or cubic yards



Converts the value in the X register to linear, square, or cubic feet.



Converts the value in the X register to linear, square, or cubic inches



Converts the value in the X register to linear, square, or cubic meters



Converts the value in the X register to linear, square, or cubic centimeters




Converts the value in the X register to linear, square, or cubic millimeters

See DISPLAY FORMAT



## HOW TO PERFORM CALCULATIONS

1. Calculations are performed as on most calculators; enter the first value, select the operator (+, -, \*, /), enter the second value, and select (=).
2. Instead of selecting (=), you may select another operator and enter another value.
3. EXAMPLE: Add 2 feet 3 1/2 inches and 5 3/4 inches

Enter 2 feet 3 1/2 inch, then click on 

Y	2 ft 3 1/2 in
X	0.00

The X and Y registers will display:

Enter 5 3/4 inches

Y	2 ft 3 1/2 in
X	5 in 3/4 in

The X and Y registers will display:

Click on 

Y	0.00
X	2 ft 9 1/4 in

The X and Y register will display:

See **ENTERING FRACTIONS**

## **USING MEMORY FUNCTIONS**

The memory register allows you to store a value for use in future calculations, to store a constant, or to function as an accumulator to hold results of repetitive calculations. The Memory Register is manipulated with the Memory control buttons in the KEYPAD



### **STORING A VALUE IN MEMORY**

### **RECALLING A VALUE FROM MEMORY**

### **USING A VALUE FROM MEMORY IN OPERATIONS**

### **ADDING TO OR SUBTRACTING FROM MEMORY**

### **Storing a value in Memory**

1. Enter the desired value in the X Register.

2. Click on  STORE

3. The value in X will be stored in Memory. Any previous value in Memory will be lost, and the value will remain in X.

## Recalling a value from Memory.

Click on 

The value in Memory will be transferred to the X register. The value in Memory is not changed, but any value in X will be lost.

### **Using a value from Memory in operations.**

To use the value stored in Memory as the second value in an operation:

1. Enter the first value in X.
2. Click on the desired **operator button**


**3 Click on the Recall button.**




4. **The result is displayed in X**
5. **The value in Memory is unchanged**

## **Adding to or Subtracting from the value in Memory**

### **To add the value in X to the value in Memory**

1. Enter the value in X
- 2 Click on 
3. Memory now contains the new total. The value in X is unchanged.

### **To subtract the value in X from the value in Memory**

1. Enter the value in X
- 2 Click on 
3. Memory now contains the new total. The value in X is unchanged.





## DISPLAY FORMAT



Changes the registers to display the value in fractions, such as 1ft 1 1/4 in. or 1 m 2 cm 3.2 mm.



Changes the registers to display the value in decimal format, such as 0.25 in. or 1.023 m.



## HOW TO MANIPULATE REGISTERS



swaps the contents of the X and Y registers.



Sets the contents of all registers to 0



Sets the contents of the X register only to 0.

