METRICA

MISURATORE STRADALE DIGITALE 999km

Ref. 60459

OPERATING MANUAL

CONTENT

INTRODUCTION

Now you can measure a length and an area fast, and get it right. With digital accuracy and storage, there is no more overshooting or forgetting to write figures down. It measures linear distances and displays them digitally, stores multiple measurements in memory, calculates area, and holds measurements, letting one person measure faster, more accurately, and more conveniently. If you job involves measuring lengths or areas, the digital wheel is the tool for you!

Large display located near handle for easy viewing.

- Measures length in meters / kilometers / feet/inches / yards/ miles
- Takes true “wall to wall” measurements
- Converts between all units
- Stores up to 8 different measurements in memory
- Calculates area in square meters / square feet / hectares / acres
- Measures up to 999,999 meters / km / feet / miles
- Bright yellow “safety” colour with reflectors
- Shower proof, rugged casing
- Steel shaft with enclosed ball bearing for durability
- Telescopic handle
- Convenient kickstand

QUICK START

1. Turn the measuring wheel on with ⏻
2. Push the wheel forward along the length to measure
3. Change the unit with Units Add the wheel length with Area +Wheel
4. Store each length in memory with Mem M+
5. Pause the measurement with Hold
6. Clear the display with MCl Clr
7. Holding down Shift gives the secondary functions (contrast adjustment, memory selection/clear, area mode) .

KEYPAD AND DISPLAY

3. Keypad and Display
1. Low display (current measurement)
2. Hold (measurement paused)
3. Wheel operation (also shows addition of radius / diameter)
4. Battery low (with normal display <2.6v, shown along <2.4v)
5. Error (measurement overflow or invalid operation)
6. Upper display (memory contents or area)
7. Units of upper display
8. Current memory location
9. Shift (when shift key held down)
10. Unit of lower display

KEY FUNCTIONS

Power On / Off 

Turn the digital wheel On. To turn it OFF, press the key again. The unit of measure will be preserved along with any memories. However, the measurement in progress will be cleared.

Shift

Holding the shift button down enables the second function of each button (printed yellow-on-blue).

Hold I Contrast Up 

Puts the digital wheel in and out of “Hold” mode. “Hold” allows wheel to be moved without increasing or decreasing the current measurement. *Second function:* Holding the shift button down and pressing this button increases the display contrast.

Unit / Contrast Down 

Changes the unit of measure. Converts the current measurement to the selected unit. *Second function:* Holding the shift button down and pressing the button decreases the currently displayed memory.

Clear / Memory Clear 

Clears the current measurement from the display, preparing unit to begin a new measurement.

Second function: Holding the shift button down and pressing the Clear/Memory Clear button clears the currently displayed memory.

Memory + / Next Memory 

Adds the current measurement to the value in the selected memory. The upper part of the display indicates the total value, and the memory location selected (e.g. M1 is the first memory location). *Second function:* Holding the shift button down and pressing the Memory +/ Next Memory button selects the next memory location (if M8 is selected, the next location is M1).

Memory - / Previous Memory 

Subtracts the current measurement from the value in the selected memory. The upper part of the display indicates the total value, and the memory location selected (e.g. M8 is the eighth memory location). *Second function:* Holding the shift button down and pressing the Memory + / Previous Memory button selects the previous memory location (if Ml is selected, the previous location is M8).

+ Wheel / Area 

Adds the wheel radius (first press) or wheel diameter (second press) to the current measurement, giving true wall-to-wall distance. A third press resets this function, so that neither the radius nor the diameter is included in the measurement. Second function: Holding down the shift button and pressing the + wheel / Area button enters area calculation mode.

PARTS DIAGRAM

TAKING MEASUREMENTS

1. Turn the measuring wheel on
2. Gently push the wheel forward along the distance to be measured. Keep the wheel in contact with the ground to be ensure an accurate measurement
3. Distance can be read off the primary display, to add several distances, use the [M+] button to store each length in memory or the [HOLD] function to preserve the measurement while moving from one point to the next
4. To begin a new measurement, press the [cir] button
5. If measuring from wall, add the wheel radius by pressing

[+Wheel]. When reaching another wall or similar obstacle, add the wheel radius again by press [+Wheel] a second time.

To measure the area of a rectangle:

1. Measure one side of the rectangle.
2. Press [shaft] and [+Wheel] to enter area mode. The display now shows units of area, and the word “Area” appears on screen. The [HOLD] function turns on; preserving the first measurement while the wheel is moved to the next side of the rectangle.
3. Press the [HOLD] button to re-enable measurement. Walk along the next side of the rectangle. The Primary display now shows measurement of the current side, and the secondary display shows the measured area accumulating.

Please note:

- The secondary display does not show the contents of the memory when in area mode.
- The second measurement must be taken at right angles (90 degree) from the first to obtain an accurate rectangular area.
- IInches cannot be displayed in area calculations. If the measuring wheel has been set to inches and is then put into area mode, the units for the secondary display will automatically be changed to decimal feet (e.g. 2’ 6” = 2.5feet).

AUTO POWER-OFF

After five minutes of inactivity, the digital wheel will ‘power-off’. However, the measurement in progress will be preserved, and will resume when the digital wheel is turned on. Use of the [HOLD] function is recommended to avoid disturbing the measurement accidentally. If the digital wheel is turned off manually, the measurement in progress will be cleared.

TECHNICAL CHARACTERISTICS

Power source	2 x AA dry cells (non-rechargeable)
Battery life:	continuous operation around 720hrs
Auto shut-off	5 minutes
Sensor resolution	11.4mm (0.0375feet)
Wheel size (circumference)	915mm (3feet). Wheel accuracy: 99.4%
Display capacity	-99,999 to 999,999(6 digits)
Max. distance measure	999.999km / 999.999mi
Max. area measure	9999.99ha / 9999.99ac
Recommended speed limit	20km/h (12 mi/h)
Operating temperature:	-20°C to 70°C (-4°F to 158°F)
Device length (extended)	1090mm
Device length (contracted)	780mm
Weight	1.5kg
Internal math accuracy	64-bit arithmetic on 32-bit count value