

Distance Measuring Wheel with Paint Marker, 10,000 m

User Manual

Measuring Instrument

Intended use

Measuring distances on the ground by rolling a wheel, with a pistol-grip trigger to spray-paint marks at chosen points. For surveying, construction layout, landscaping, sports fields and event planning.

Intended users

Surveyors, construction crews, landscapers, facility and event staff and other adult users.

Read this manual completely before first use and keep it with the product. This document provides general operating, care and safety guidance. Where the product is supplied with manufacturer labeling or instructions, those take precedence. For questions, a replacement copy, or a digital copy of this manual, email sales@scimedstore.com.

1. Safety

Safety warnings and cautions

- Spray paint is flammable. Keep away from heat, sparks and open flames, and follow the safety instructions on the paint can.
- Use paint only outdoors or in well-ventilated areas. Do not spray toward people, animals or vehicles.
- Wear eye protection and gloves when fitting or using paint cans.
- Watch for traffic, trenches, holes and other site hazards while walking and looking at the counter.
- Check local rules before marking surfaces; call utility-locating services before digging at marked points.
- Remove the paint can before transport or storage in a vehicle and do not leave it in a hot vehicle.

2. Specifications

Measurement range	10,000 m
Counter	5-digit mechanical
Direction	Bidirectional: counts forward, subtracts when rolled backward
Marking system	Pistol-grip trigger with spray paint marker holder in handle
Paint	Standard inverted marking spray cans
Handle	One-piece
Power	None required (mechanical)
Accuracy	±0.5% typical

3. Unpacking and setup

- 1 Unfold or assemble the handle as supplied and check that it is secure.
- 2 If paint marking is needed, fit a standard inverted marking spray can into the holder and connect it to the trigger mechanism.
- 3 Reset the counter to zero.

4. Operation

Measuring a distance

- 1 Place the wheel at the starting point with the wheel's contact point exactly on the start mark.
- 2 Reset the counter to zero.
- 3 Walk at a steady pace in a straight line, keeping the wheel in contact with the ground.
- 4 Stop with the wheel's contact point exactly at the end point.
- 5 Read the distance on the counter and record it.
- 6 If you overshoot, roll the wheel backward; the counter will subtract until you reach the exact point.

Marking points with paint

- 1 Roll to the required distance as shown on the counter.

- 2 Hold the wheel still and squeeze the pistol-grip trigger briefly to spray a mark.
- 3 Release the trigger and check the mark before continuing.
- 4 Continue to the next point without resetting the counter if measuring cumulative distances.

Measuring wall to wall

- 1 Place the back of the wheel against the first wall and reset the counter.
- 2 Roll to the opposite wall until the wheel touches it.
- 3 Add the wheel diameter to the reading to get the wall-to-wall distance.

5. Cleaning and disinfection

- Wipe the wheel, handle and counter with a damp cloth after use and dry.
- Remove mud and debris from the wheel and around the axle.
- Clean paint overspray from the trigger and nozzle area with a cloth; follow the paint manufacturer's guidance for suitable cleaners.
- Do not immerse the counter in water.

6. Maintenance and storage

- Remove the paint can before storing.
- Store in a dry place away from heat.
- Check the wheel tread periodically; a worn tire affects accuracy.
- Check accuracy against a tape measure over a known distance on a hard, flat surface at regular intervals.

7. Troubleshooting

Problem	Likely cause	What to do
Counter does not change	Counter mechanism jammed or wheel not turning freely	Clean the wheel and axle area; if still not counting, contact the supplier.
Readings too high or too low	Worn tire, soft or uneven ground, or wheel skidding	Check against a tape measure; measure on firmer ground where possible; replace the tire if worn.
No paint when trigger squeezed	Empty can, can not seated, or clogged nozzle	Replace or re-seat the can; clear the nozzle as directed on the can.
Paint mark in wrong place	Wheel moving when spraying	Stop fully before squeezing the trigger.

8. Disposal

- Dispose of empty or partly used paint cans according to local hazardous waste rules.
- Recycle the wheel's metal and plastic parts according to local regulations.

9. Warranty and support

Products are covered by SciMed's standard warranty (12 months from purchase unless a different period is stated on your invoice). Warranty terms: scimedstore.com/pages/warranty.

Support, spare parts and additional copies of this manual: sales@scimedstore.com. Please include your order number and a photo of the product or issue.

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