M–D BUILDING PRODUCTS SMARTTOOL ADA SLOPE WALKER





How the SmartTool ADA Slope Walker (The Walker) makes continuous seamless ADA route site assessment easier for everyone.

Here are a few examples of what you can measure. How to photos to follow.

- 1. Both sides of door landing clear floor approach spaces
- 2. Clear floor component or fixture approach spaces
- 3. Running and cross slopes of ramps
- 4. Cross and running slopes of public and employee routes
- 5. Slopes of required clear floor spaces
- 6. Large open random pedestrian traffic areas
- 7. Landings and changes in direction
- 8. ADA parking areas and access aisle
- 9. Vertical transitions within a route
- 10. Threshold heights
- 11. Elevator thresholds for car to floor levelness
- 12. Construction site feasibility layouts
- 13. Construction forms layouts for concrete or asphalt
- 14. Concrete and asphalt surfaces before they cure to allow corrections. This <u>significantly reduces re-work</u> for contractors.
- 15. The ADA slope walker can be used by anyone

Bending and kneeling to measure slopes is no longer required. Results are instantaneous and extremely accurate. You are using the most accurate digital level in the world. It is a liquid filled gravity based level. This digital level and its precision bias, is accepted in DOJ, ADA, and FHA court cases.

Remember the Smarttool is accurate no matter which side you are reading when rotated 180 degrees. Both sides will read to within 0.3% or 1/10 of a degree accurate. Unlike other digital levels which can be up to 1% off or more when rotated 180 degrees. Consistency is important.

(un-solicited testimonial from a professional federally qualified ADA 20 year veteran consultant – Jean Tessmer, RME, ASID – www.spaceoptions.com) The Walker can measure ramps, cross slopes, and running slopes, all you need to do is twist clockwise and walk the tool and read it.

Access to and throughout the site is easily 50% or more of the ADA site evaluation work.



The accessible route has to be right, seamless, and continuous.

Measuring ADA parking areas continuously is a snap!



Measuring vertical transitions including thresholds is easily done by using the 12" on center ADA Slope Walker by applying the one percent = 1/8" rule.



In this case the difference between 0.9% and 8.5% = $7.6\% \times 1/8''$ or .125'' = 0.95 inches - nearly 1" higher than the clear floor approach space. Slopes to drains or expansion joint covers are some examples of features that can affect cross slopes or having a clear unobstructed accessible travel way.







ADA Slope Walker Tool used for asphalt or concrete surface layouts and transitions for parking and routes.



Correct design, specifications, layout, and placement are key to placing ADA compliant surfaces.



The final result rewards the contractor, owner, and individuals with disabilities with an ADA compliant route.

The ADA consultant is trained to assist the contractor during layout and final placement to make corrections.





These contractors are trained to use M-D layout tolerances to achieve ADA compliance.

Above the contractor is assuring the height and slope of the clean out tops are seamlessly incorporated into the new sidewalk up to the floor of the door.



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Walking the Slope walker to measure a final placed surface





1997 - Inviting individuals with disabilities to participate on site.



The MD Smarttool ADA slope walker has over 18 years of national historical use as an accurate gauge of ADA compliance. No other digital level can make this claim.