## **APPLICATIONS & USE**



• F-min

- **OVERVIEW** REPORT
- GENERATORS •
- ASTM-E-1155 3D-Mapping
- **TR34**
- DIN18202
- Thickness of Fill
- - Joint Assessment



HEIGHT

SOMERO MATSON GROUP

HEIGHT = FOOT SPACING x Sin(INCLINE)

INCLINE

## Overview; How it works

A device which measures angle of incline especially designed to deliver **ULTRA-HIGH PRECISION Readings in** *fractions* of a second.

Since the Foot Spacing is known the elevation difference between the footpads is accurately calculated.

| <b>D</b> evice <b>A</b> ccuracy |          | ELEVATIONAL |        |        |
|---------------------------------|----------|-------------|--------|--------|
| ANGULAR                         | Spacing: | 12in        | 300mm  | 250mm  |
| ±25 Arcseconds                  | Height ± | 0.0015in    | 0.04mm | 0.03mm |

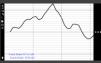
Walk the device across the floor, recording incline measurements with each step.



Data is collected on a



**REVEAL THE PROFILE OF THE FLOOR** 



View the results realtime and then Instantly share the Data.

Bluetooth enabled Android device. Stored as a .CSV file.



Import the data to the complimentary EXCEL<sup>®</sup> based Report Generators to easily produce professional test reports in minutes.

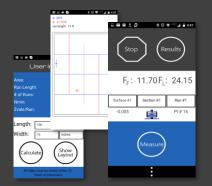
## ASTM-E-1155 (M)

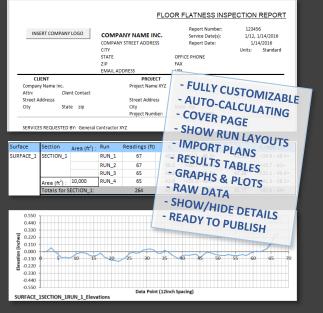
Floor Flatness & Levelness  $F_F \& F_I$ 



Track quality, compose reports, and learn useful information from the clearly laid out, easy to use, Report Generator.

Use the Axiom 1155 App and the companion run Layout App to confidently and accurately measure the floor Flatness F<sub>r</sub> and Levelness F<sub>1</sub> per ASTM-E-1155 (M)





## TR34 4<sup>th</sup> Edition FLOOR FLATNESS INSPECTION REPORT- TR34 4th Editio Keep data collection process COMPANY NAME INC. simple & organized with an App! TR34 COMPLIANT Floor Flatness & Levelness **RESULTS TABLE**, Property E & F GRAPHS, & MUCH TR34 NODE TR34 RUN MORE! 5 m\*2 AXIOM TR-34 Measure on the 3m Grid Use other surveying NODE equipment to measure the pattern with the Axiom nodes for property E then to get BOTH property E use the Axiom to measure & F Results OR; runs for property F. Keep track of all of the data with the App. OVERLAY 3m GRID ON JOB PLANS RUN Import data into report! Results W.12m (Collect Data Results Willin DIN18202 F-min & GAP UNDER STRAIGHT EDGE AXIC VIRTUALLY SIMULATE ANY STRAIGHT EDGE LENGTH & CHECK. **AUTO-GENERATE UNLOCK THE FULL** PASS/FAIL RESULTS POTENTIAL OF THE Defined Traffic Floors & Very **AXIOM WITH THE** Narrow Aisle Flatness Test & FREE-RUN APP! **3D-Mapping** Analysis ASK US ABOUT 30-MAP GRIND THICKNESS OF FILL/OVERLAY **REPORTS!** COMPARE BEFORE Run Name Run: SURFACE\_ISECTION\_IRUN\_3 **& AFTER RUNS TO DETERMINE THE** THICKNESS OF FILL OR OVERLAY Create Color Heat-Maps or Contour maps of a surface Floor Joint Assessment Joint Deflection JOINT TRANSVERSE PROFILE **CURVATURE Q-VALUES Measure Joint** 0 AXIOM Stability per · 0] ACI 360R-10. **Record Data** IDENTIFY AND QUANTIFY THE PROBLEM. 0.512 Take Notes Ŵ VERIFY THE FIX. and Photos of Help Us Help You! What each Joint. AND MORE! Measur Apps or Features would you like to see next? AXIOM1155.com Email us: info@someromatsongroup.com