

MicroTIR Display Packages

Portable MicroTIR™ displays and electronic indicators provide confidence and reliability by calculating and outputting total indicator readings (TIR) during in-process tolerance checks or part alignment.

MicroTIR displays feature a 8" wide format color touchscreen user interface. Probe displacement is shown with a traditional analog needle as well as high resolution digital read out. The maximum and minimum readings are captured along with the total indicator reading.



Input your part number and a description and then save or print the result as definitive verification to your customer or as a traveler for the part through the next manufacturing process steps. Take multiple measurements and stack the results into a single report.

MicroTIR displays are lightweight and portable units with onboard file storage and wireless network capabilities for enterprise connectivity. User selectable scale resolutions and SAE or metric units provide full flexibility for all of your part requirements.

Available with a single precision lever-type electronic indicator or add a second probe for

individual or sum/differential probe display options. An electronic encoder interface is also available which synchronizes the probe readings to the rotary or linear position of your motion system.



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Features:

- 8" wide format color touch screen user interface
- Compact and lightweight for easy portability
- USB port for network, printer or flash drive use
- Wireless capability
- Digital and analog displays
- Probe 1, Probe 2, and dual probe sum/differential display options
- Recorded TIR with individual Min and Max values displayed
- SAE and Metric units (inch, μ inch, mm, μ m)
- Scale ranges: $\pm .01$ ", $.001$, $.0002$ " (± 250 , 25 , 5μ m)
- Part number, description and comment input fields
- Stack results to print, save or export
- Single or dual lever type electronic gage head options
- Excellent linearity (0.9998) over full probe range $\pm .012$ " (0.3mm)
- Optional encoder interface and position display
(requires a compatible encoder and rotary table – available separately)
- Made in the USA

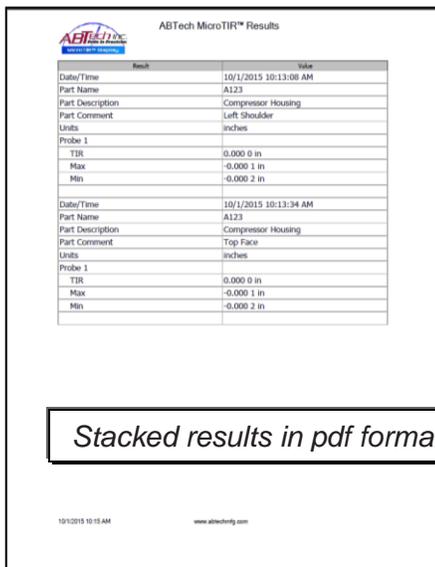
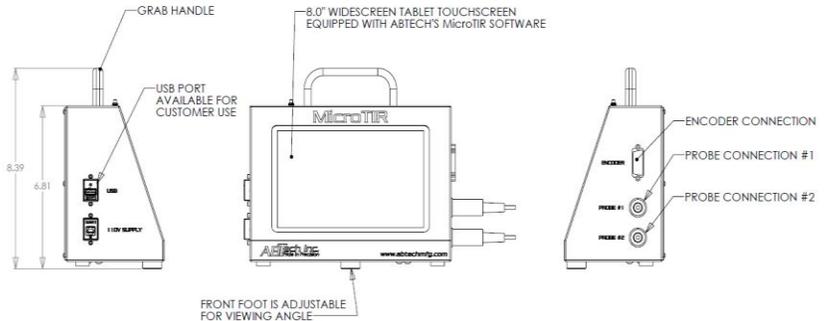
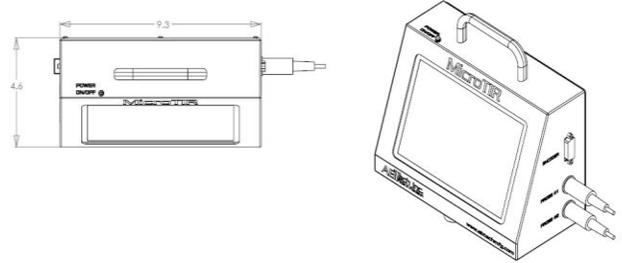
MicroTIR Electronic Display Packages

Options:

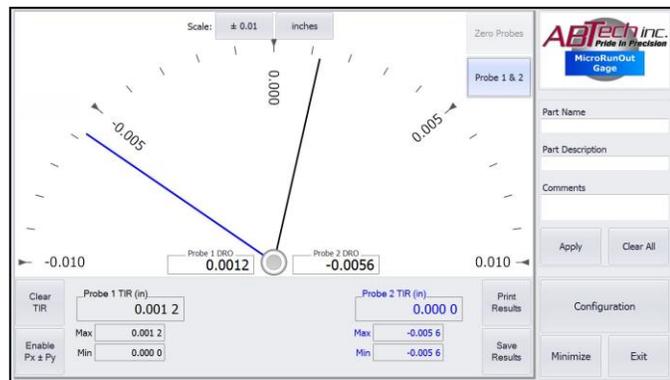
- Single or dual probe configurations
- Rotary encoder interface option
- Ruby tipped probes
- Various length probes and tip diameters

Accessories:

- Gage stands
- Precision centering fixtures
- Vacuum feeds and controllers
- Articulating display mounts



Stacked results in pdf format



Dual Probe Screen Shot

Combine MicroTIR packages with ultra-precision air bearings...

Platforms include: rotary air bearings, tilt and center worktables, gage stands, and filter regulators assemblies mounted on inspection grade natural granite surface plates and frames.



Benchtop Model TIR100/150
6" worktable with
single gage stand



Model TIR200/300
12" worktable
with dual gage stands



Model TIR300/600
24" worktable
with dual gage stands



Model TIR400/914
36" worktable
with single gage stand

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Pride In Precision