

ALBION DEVICES, INC.

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Pub: Tcomp II Indicator

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Easy, menu driven, touch screen user friendliness.

Tcomp II ("tee-comp 2") Indicator/Gaging Computer



Low cost, versatile, small, multi purpose temperature compensated gaging computer with user friendly touch screen, part/feature # parameter storage and menu driven user interface.



Base price, gaging computer without probes, sensors or accessories:
US\$725.00



Tcomp can be used as

- 1) A temperature compensated gaging computer with single LVDT input and temperature sensors, or
- 2) With temperature sensors so as to compute and output a thermal correction for a host gage, or
- 3) Just with a single LVDT as a digital indicator.



Mounting pattern:
Standard digital indicator square pattern, threaded.



Senses temperatures of master, workpiece and gage while measuring, makes adjustment in real time, and displays output as if all were at 68°F(20°C).

User programmable with separate coefficients of expansion for part, master and gage. Adaptable to bench top and hand held gages. Available with a range of workpiece temperature sensors. Capable of over 95% thermal compensation efficiency.

Tcomp II SPECIFICATIONS

- Measurement range/LVDT travel: $\pm .02$ inch (± 0.5 mm)
- Resolution: 0.00001 inch, 0.00025 mm
- Repeatability: ± 0.00001 inch, 0.00025 mm
- Storage for up to 19 part/feature definitions
- Temperature ranges
Environmental: 32°F(0°C) - 125°F(51°C)
Workpiece: 32°F(0°C) - 150°F(65°C)
- Humidity range: Maximum 95% relative non condensing.
- Response times
10°F change - 2.0 secs, flat surface
3.5 secs, curved surface
30°F change - 2.4 secs, flat surface
5.5 secs, curved surface
- Electrostatic discharge: Tested to + 15kv (I.E.C. spec. 801-2, 1984)
- Communications output: RS-232
- Controller
- Weight: 10 oz
- Size: 3.75"x2.575"x2.375"
- Touch screen liquid crystal digital display, RS232 output; rechargeable battery or A/C powered; user programmable tolerances and much more.

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