

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

Tcomp II Indicator/Gaging Computer is a low cost, versatile, small, multi purpose temperature compensated gaging computer with user friendly touch screen, part/feature # parameter storage and menu driven user interface.



Tcomp can be used as:

- 1) A temperature compensated gaging computer with single LVDT input and temperature sensors, or
- 2) With temperature sensors only, so as to compute and output a thermal correction for a host gage and its own measurement probes. Tcomp 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 automatic, semi automatic, 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.*

Mounting pattern: Standard digital indicator square pattern, threaded.



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