ALBION DEVICES, INC.

www.AlbionDevices.com

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Easy, menu driven, touch screen user friendliness.

Tcomp IIm ("tee-comp 2 M")

Mini Amplifier/Indicator

Uses external power supply 9 to 24 vdc at 200mA.
Also available battery powered (Model Tcomp II Mb)

Supplied with sensor and LVDT connectors on pigtails.

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 II 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) With just 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: ± .02 inch (± 0.5mm)
- 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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