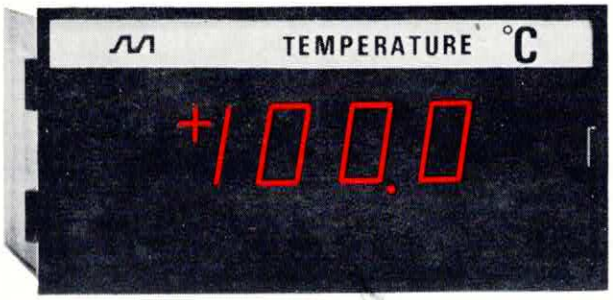
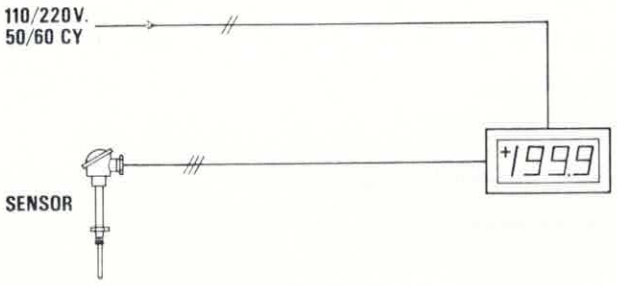
manotherm bv

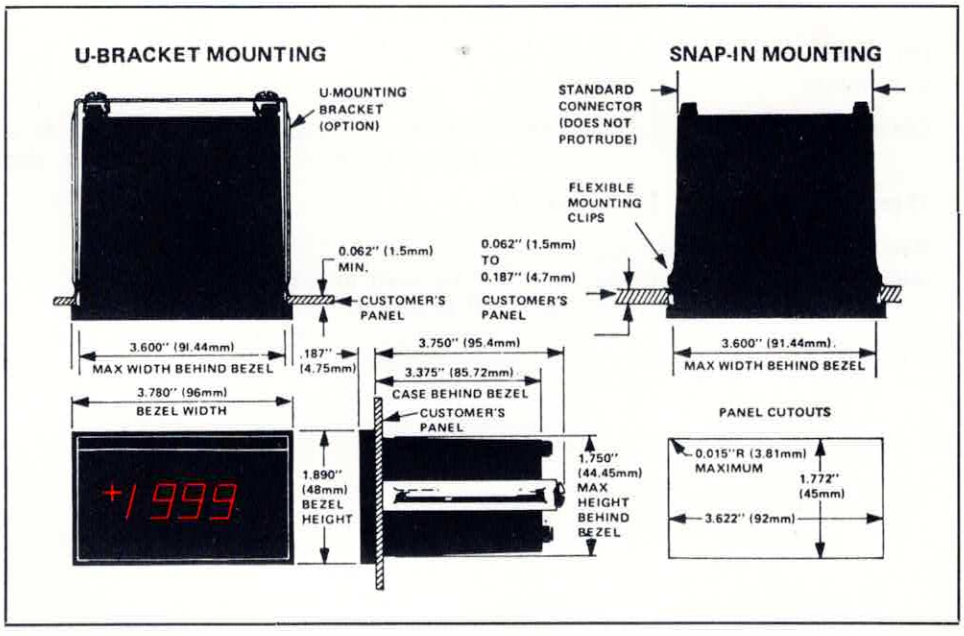
TEMPERATURE INDICATOR
series 700





INTRODUCTION

The Manotherm digital temperature indicator series 700 is especially designed for reading of temperatures with a high accuracy. The sensor can be a nickel chrome-nickel thermo-couple or a Pt 100 resistance element. The thermocouple type has an automatic cold junction compensation. The resistance element type is available with three wire connection. The accuracy of this temperature indicator is within 0,5% of reading ± 1 count. These DIN size units give a very bright incandescent display and occupy only 96 mm (3.780 inches) x 48 mm (1.890 inches) of panel space. A simple front mounting system allows easy installation.



SBE-700
1982

WELPLAATHOEK 20, 3197 KP BOTLEK, ROTTERDAM
Tel. 010-169011*, P.O. Box 1218, 3000 BE Rotterdam, Telex 28604 termo nl

SPECIFICATIONS

Sensor	: Nickel chrome-nickel thermocouple or Pt 100 resistance thermometer.
Accuracy of linearisator	: Generally within 0,5% of reading for thermocouple and ± 1 count for resistance thermometer.
Accuracy instrument	: ± 0,05% of reading ± 1 count.
Display	: 7 segment Sperry plasma, 14 mm/0,55 inch nominal height, 3½ digit.
Power supply	: 100, 117, 220 or 240 Volts AC. ± 10%, 49 to 63 cycles.
Consumption	: 2 watts nominal.
Ambient temperature	: —10 to +60° C.
Relative humidity	: 0 to 90%, non-condensing.
Weight	: 12 ounces nominal.
Cold junction compensation	: Automatic on thermocouple unit.
Thermocouple break-indication	: 0° C indication on the display.
Pt 100 break indication	: All digits blanked, polarity and decimal point remain lighted.
Mounting method	: Via front flexibel mounting clips into DIN size 92 mm/3.622 inch x 45 mm/1.772 inch panel cut-out.
Recommended recalibration interval	: 6 months.
Dimensions	: DIN-STANDARD: 96 mm/3.780 inch bezel width x 48 mm/1.890 inch bezel height; 95,4 mm/3.750 inch max. depth.
Thermocouple range	: 0 to 800° C.
Resistance thermometer range	: —30 to +30° C; —20 to +80° C; 0 to 100° C 0 to 150° C; 0 to 200° C.

Changes in technical specifications provided