COMECO
CONTROL & MEASUREMENT

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2-channel Programmable Thermometer H5700

CE

♦ **Good accuracy at low consumption**
♦ **Operates with Pt1000 and 3 types of thermocouples**
♦ **Universal input available**
♦ **Measures temperature from up to 2 sensors**
♦ **4-digit LCD display with mode indication**
♦ **Programmable auto power-off function**
♦ **Battery voltage management**
♦ **Readings in Celsius or Fahrenheit**
♦ **Sensor failure control**

H5700 is a handheld 2-channel microprocessor-based device for measurement of temperature in 1 or 2 points by the means of Pt1000 sensors or thermocouples type "J", "K", or "S". The device has a 4-digit display providing a resolution of 0.1 °C within the -99.9...999.9 °C range. Two modes of operation – measurement of 1 temperature and measurement of 2 temperatures and temperature difference – are available. H5700 is programmed and controlled through a folio-type keyboard providing high degree of environmental protection. The device is powered by 2 alkaline or rechargeable 1.5 V AA batteries and features a special automatic-battery-control function. The numerous features of H5700, its high accuracy, and low consumption make it a widely applicable measurement instrument.

Technical specifications

Inputs	(up to 2 inputs)
Pt1000 (w=1.385)	-100.0...660.0 °C
Thermocouple "J"	-100.0...1200 (999.9) °C
Thermocouple "K"	-100.0...1300 (999.9) °C
Thermocouple "S"	0.0...1700 (999.9) °C

Indication and controls	
Digital display	4-digit LCD, 13 mm
Keyboard	3 membrane keys

Accuracy	
Measurement error	0.1% (0.3% for T/C input) from span
Non-linearity	negligible
Cold junction compensation	± 1 °C
Temperature drift	0.01% from span for 1 °C
Supply-voltage variation influence	0.05% from span for 1 V

[1] Not included

Operating conditions	
Ambient temperature	-10...65 °C
Ambient humidity	0...85 %RH

Power supply	
Supply voltage	3 V from 2 batteries AA 1.5 V [1]
Operating consumption	less than 3 mA
Stand-by consumption	less than 5 µA
Auto-power-off time	0...30 min, programmable

Design and materials	
Case material	plastic
Probe connection	4-pin snap-in connector ø8, type 'C3'
Dimensions	65x118x22 mm
Weight	max. 110 g (w/ batteries)
Protection, case/socket	IP44 / IP20

Ordering code   H5700 - G6'6"G6'6"

Code	Feature or option	Code values
G6'6"	Input	**X** - none [3], **A** - programmable, **BG** - Pt1000, **CJ** - thermocouple "J", **CK** - thermocouple "K", **CS** - thermocouple "S"

[2] Only the second input can be cancelled.