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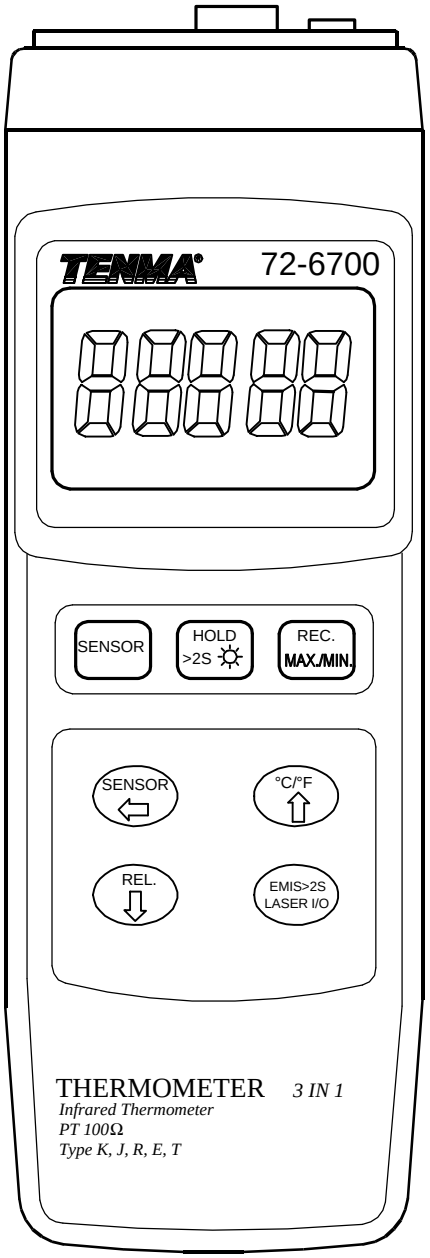
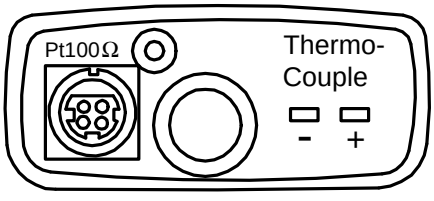
REVISIONS — DOC. NO. SPC-F004 * Effective: 12/21/98 * DCP No: 680

DCP #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
430	A	RELEASED	JWM	2/20/01	JC	8/24/01	DJC	8/29/01





FEATURES:

1. Three thermometers in one...Infrared, Pt100 ohm and Thermocouple
2. Accomodates 4 wire Pt-100 ohm probes and thermocouple types K, J, R, T, and E. *(Probes and Thermocouples sold separately)*
3. Selectable readings °C or °F
4. Data Hold fucntion
5. Min./Max memory function
6. Laser guide for IR function
7. RS 232 output with **Optional** cable (72-6704) & software (72-6701)
8. Auto power off
9. Operating Temp: 0°C ~ 50°C (32°F~122°F)
10. Size: 7.9" x 2.7" x 1.2"
11. Weight: .48 lb.
12. Power: 9 V Battery *(Not included)*

SPC-F004.DWG

DISCLAIMER:
ALL STATEMENTS AND TECHNICAL INFORMATION CONTAINED HEREIN ARE BASED UPON INFORMATION AND/OR TESTS WE BELIEVE TO BE ACCURATE AND RELIABLE. SINCE CONDITIONS OF USE ARE BEYOND OUR CONTROL, THE USER SHALL DETERMINE THE SUITABILITY OF THE PRODUCT FOR THE INTENDED USE AND ASSUME ALL RISK AND LIABILITY WHATSOEVER IN CONNECTION THEREWITH.

TENMA®

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY.

DRAWN BY:	Jeff McVicker	DATE: 2/20/01
CHECKED BY:	JOHN COLE	DATE: 8/24/01
APPROVED BY:	Daniel Carey	DATE: 8/28/01

DRAWING TITLE: 3 in 1 Thermometer

SIZE	DWG. NO.	ELECTRONIC FILE	REV
A	72-6700	18C2265.dwg	A

SCALE: NTS | U.O.M.: INCHES [mm] | SHEET: 1 OF 2

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SPECIFICATIONS:

Infrared Mode

Range: -20°C~400°C (-4°F~752°F)
Resolution: 1°
Accuracy: ±3% of reading or ±3°C (5°F) whichever is greater.
Accuracy test under the measurement range of less than 300°C (572°F), operating temp. 23°C ±5°C with emissivity value of target set to 0.95. Tested under the 20cm dia. black body, distance from probe sensing head was 30cm.
Emissivity Setting: 0.20 ~ 1.00 *(Factory preset emissivity value to 0.95, which will cover 90 % of typical applications.)*
Wave Length Region: 6 to 12 Meters
Distance factor: D/S : Approx. 7:1 *(Where D=Distance, S=Spot)*

Thermocouple Mode

Sensor Type	Range	Resolution	Accuracy
K	-100°C~1300°C (-148°F~2372°F)	.1°C or F	±(0.2% +0.5°C) ±(0.2% +1°F)
J	-100°C~1150°C (-148°F~2102°F)	.1°C or F	
T	-100°C~400°C (-148°F~752°F)	.1°C or F	
E	-100°C~900°C (-148°F~1652°F)	.1°C or F	±(0.2% +0.8°C) ±(0.2% + 2°F)
R	0°C~600°C (32°F~1112°F)	1°C or F	±(1% + 5°C) ±(1% + 10°F)
	601°C~1700°C (1113°F~3092°F)		±(1.5% + 5°C) ±(1.5% + 10°F)

Thermocouples sold separately
Accuracy value is specified for the meter only.
Accuracy test is based on the environment termperature of 23° C ± 5° C
Linearity Correction: Memorize the thermocouple's curve into the CPU circuit

Platinum PT 100 ohm Mode

Range	Resolution	Accuracy
-200.0° C~850.0°C	.1°C or F	±(0.4% +0.5°C)
-328.0 °F~1562 °F		±(0.4% + 1.0°F)

Thermocouples sold separately
Accuracy value is specified for the meter only.
Accuracy test is based on the environment termperature of 23° C ± 5° C
Linearity Correction: Memorize the thermocouple's curve into the CPU circuit

SIZE	DWG. NO.	ELECTRONIC FILE	REV
A	72-6700	18C2265.dwg	A
SCALE: NTS	U.O.M.: INCHES [mm]	SHEET: 2 OF 2	