

DICKSON KT6

MICROPROCESSOR BASED K-THERMOCOUPLE TEMPERATURE RECORDER

All KT6 series recorders feature panel mount and wall mount capability, a DIN compatible enclosure, AC power with battery back-up, programmable recording times and temperature ranges. Additional features available include a digital display, audible alarm, and a SPST ALARM/RELAY contact. Whether recording temperatures in a high temperature oven or a low temperature freezer, the KT6 series offers complete flexibility and valuable features.



Specifications:

Temperature Ranges (user selectable): 0 to -100° (F or C),
0 to -50° (F or C), -50 to 50° (F or C), 0 to 50° (F or C), 50 to 100° (F or C),
0 to 100° (F or C), 0 to 250° (F or C), 0 to 500° (F only)

Recorder Accuracy: $\pm 0.5\%$ of chart range and $\pm 1.8^\circ\text{F}$ (1°C) Recorder only

Sensor Compatibility: Standard K-Thermocouple (other temperature sensor types available on special order)

Ambient Operating Conditions: +32 to +122°F (0 to +50°C) 0 to 95% RH (non-condensing)

IP Rating: IP21

Recording Time (user selectable): 24 hour and 7 day

Power: 120V 50/60Hz or 240V 50/60Hz

Power Cord: 6' (2m), cord with wall transformer

Power Status: LED indicator

Battery Back-up: One 9V alkaline battery

Battery Back-up Life: Up to 24 hours

Probe: 4' Teflon coated K-Thermocouple beadwire probe with min-connector

Calibration: User: Adjustable zero point; Factory: zero and span

Chart Size: 6" (152mm) diameter

Alarm Contacts: User selectable MAX/MIN set points (set in conjunction with alarm contacts)

Digital Display: LCD 3.5 digit

Keypad Functions: ON/OFF, pen home, time adjust, alarm set (available) and calibration

Digital Display Resolution: 0.1° resolution -9.9° to 199.9°; 1° resolution above 200° and below -9.9°

Response Time: 30 seconds at 63% of full scale

Mounting: Surface or panel mount, DIN compatible

Enclosure Dimensions: 7.56" x 7.56" x 3.25" (192mm x 192mm x 83mm)

Panel Cut-out Dimensions: 6.9" x 6.9" (188mm x 188mm)

Depth Behind Panel: 2.0" (51mm)

Approvals: CE (for 240V model)

Included With Recorder: Pen, battery, thermocouple bead-wire probe, and instruction manual.

Case Construction: Rugged black ABS

DICKSON

www.dicksonweb.com

930 S. Westwood Ave., Addison, IL 60101-4917

Toll Free Phone: 1-800-323-2448 • Toll Free Fax: 1-800-676-0498

All specifications are subject to change • Made in U.S.A.

rev. 07/06

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Ordering Information

Basic Recorder	Remote Probe	8 Ranges	Digital Display	Alarm	Relay Contact	Order No.
•	•	•	•			KT602
•	•	•	•	•	•	KT603
•	•	•				KT605*
•	•	•	•			KT606*
•	•	•	•	•	•	KT607*
•	•	•				KT609**
•	•	•	•			KT610**
•	•	•	•	•	•	KT611**

*European use only **UK use only

Accessories

Description	Order No.
NIST Traceable Calibration 3-pt. (new units)	N300
NIST Traceable Calibration 1-pt. (new units)	N100
A2LA Accredited Calibration 3-pt. (new units)	N400
Pens (6 red)	P222
Two Year Extended Warranty	E200

*Other multi-user licenses available, ask customer service.

Optional Probe

Description	Order No.
4" Piercing Probe, 5' Coiled Cable, +1650°F (+900°C)	D605
5" Immersion Probe, 5' Coiled Cable, +1650°F (+900°C)	D608
6" High Temperature Basic Probe, +2100°F 316 Stainless Steel	A203
10' Straight Extension Cable (for probe)	D617
100' Straight Extension Cable (for probe)	A202
1/8" Compression Fitting (for D164 & A203 probes)	D163
Replacement Bead-wire Probe (Type K) +500°F	R013
Angled Surface Probe, 5' Coiled Cable, +1200°F (+649°C)	D606

Charts

Temperature Range	24 hour Charts	7 day Charts
-50 to +50°F/C	C652	C651
0 to +50°F/C	C654	C653
0 to -50°F/C	C654	C653
50 to +100°F/C	C656	C655
0 to +100°F/C	C658	C657
0 to -100°F/C	C658	C657
0 to +250°F/C	C660	C659
0 to +500°F	C662	C661

CE units available - ask customer service

Optional Probes



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