



Introducing our most versatile family of chart recorders ever! The KT8 is available in 8 models with loads of great options in a rugged and compact enclosure. This is the NEW Generation of Chart Recorders!

Available Features Include:

- Large 8" Chart offers 84% more readable area than a 6" Chart
- K-Thermocouple Probe for Flexibility
- Available Temperature Range up to +2000F
- Select from One or Two Pen Models
- User Selectable Temperature Ranges and Recording Times
- Large Digital Display
- Audio/Visual Alarms
- Compact Rugged Enclosure
- Flip-Up Pen Arm for Easy Chart and Pen Changes
- Battery Backup
- Relay Contact



Dickson Model KT8 Chart Recorder

Specifications:

Temperature Ranges:	KT800: 0 to +100°F/C, -50 to +50°F/C, 0 to +250°F/C; KT802/KT803/KT856: 0 to +100°F/C, -50 to +50°F/C, 0 to +250°F/C, +0 to +500°F/C*; KT804: 0 to +1000°F/C, 0 to +2000°F, -20 to +20°F/C, +20 to +100°F/C, +50 to +150°F/C *High temperature probe A203 required for 500°C temperature monitoring
Temperature Accuracy (Recorder Only):	+/-1.8°F (+/-1°C)
Temperature Sensor:	Flexible, 4' Bead Wire K-Thermocouple probe, Teflon coated (suitable for most gas, liquids & semi-solids) to +500°F (max); KT804: 6" high temperature basic K-Thermocouple probe with 4' Teflon coated cable suitable to +2100°F (max)
Ambient Operating Conditions:	+32 to +122°F (0 to +50°C); 0 to 95% RH (non-condensing); Storage Conditions: -22 to +122°F (-30 to +50°C); 0 to 95% RH (non-condensing)
IP Rating:	IP20
Digital Display:	LCD 3.5 digit (1" Tall)
Display Resolution:	LCD, 0.1°F (0.1°C), 0.1%RH
Chart Size:	8" (20.3cm) DIA
Power Supply:	KT800: 4 AA Batteries; KT802/03/04/56: 120V AC adapter with 4 AA battery for back-up power
Battery Life (Avg):	KT800: 70°F - 6 months (7 day mode), 1 month (24 hour mode); 30°F - 4 months (7 day mode), 3 weeks (24 hour mode); 0°F - 3 months (7 day mode), 2 weeks (24 hour mode); -20°F - 2 months (7 day mode), 1 week (24 hour mode) (Battery life will also vary with the type of battery used. The above averages are based on heavy duty alkaline battery test); KT802/03/56: Back-up Only
Alarms:	Audio/Visual High/Low alarms (KT803/KT804/KT856)
Approvals:	CE
Calibration:	User: zero point
Recording Time:	User selectable: 24 hour, 7 day or 31 day (31 Day available on models (KT802/KT803/KT856)
Average Response Time:	1 minute to move 63% of full scale Note: Response time is slower when using battery
Mounting:	Portable or wall mount
Enclosure:	Case: ABS; Door: Polycarbonate; Dial: Aluminum
Dimensions:	9.2" x 9.2" x 3.1" (23.4cm x 23.4cm x 7.9cm)
Weight:	Approximately 4 lbs (1.8kg) with battery



Measurement, Control, and Datalogging Solutions

Order No.	Temperature Ranges	Battery Operated	Relay Contact	Remote K-TC Probe	Digital Display	Audio/Visual Alarm	31 Day Recording Time
KT800	0 to +100°F/C, -50 to +50°F/C, 0 to +250°F/C	✓		✓			
KT802	0 to +100°F/C, -50 to +50°F/C, 0 to +250°F/C, 0 to +500°F/C			✓	✓		✓
KT803	0 to +100°F/C, -50 to +50°F/C, 0 to +250°F/C, 0 to +500°F/C			✓	✓	✓	✓
KT804	0 to +1000°F/C, 0 to +2000°F, -20 to +20°F/C, +20 to +100°F/C, +50 to +150°F/C			2	✓	✓	
KT856	0 to +100°F/C, -50 to +50°F/C, 0 to +250°F/C, 0 to +500°F/C		✓	✓	✓	✓	✓

Charts

For Model	Temperature Range	24 Hour Chart	7 Day Chart	31 Day Chart
KT800	0 to +100°F/C	C410	C412	
KT800	-50 to +50°F/C	C411	C414	
KT800	0 to +250°F/C	C432	C439	
KT802/KT803/KT856	0 to +100°F/C	C410	C412	C409
KT802/KT803/KT856	-50 to +50°F/C	C411	C414	C406
KT802/KT803/KT856	0 to +250°F/C	C432	C439	C407
KT802/KT803/KT856	0 to +500°F/C	C428	C459	C408
KT804	0 to +1000°F/C	C441	C440	
KT804	0 to +2000°F	C443	C444	
KT804	-20 to +20°F/C	C445	C448	
KT804	+20 to +100°F/C	C446	C449	
KT804	+50 to +150°F/C	C447	C450	

Accessories

Description	Order Number
NIST Traceable Calibration 3-pt. (new unit)	N300
NIST Traceable Calibration 1-pt. (new unit)	N100
A2LA Accredited Calibration 3-pt. (new unit)	N400
Pens (6 red)	P222
International Universal AC Adapter	R065

Optional Probes

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



Tempcon Instrumentation Ltd.
Unit 19, Ford Lane Business Park, Ford Lane
Ford, Nr. Arundel, West Sussex. BN18 0UZ
Tel: ++44 (0) 1243 558270 Fax: ++44 (0) 1243 558288
Email: info@tempcon.co.uk Web site: www.tempcon.co.uk

BB202
0111