

INSTRUCTIONS FOR

Vaccine Chart Recorder (HCL# 8254)



Product Specifications

Measurement Ranges:	HCL# 8254: 0 to +70° F
Ambient Operating Temperature:	-22 to +122°F (-30 to +50°C); 0-95% RH (non-condensing)
Pen Accuracy:	±2% full scale
Display Accuracy:	±3.6°F (±2°C)
Temperature Sensor:	Precise spiral-wound bi-metallic strip transducer
Power Supply:	One "AA" alkaline battery, up to 3 years average life
Chart Movement:	Battery operated
Average Response Time:	11 minutes to move 63% of full scale
Recording Time:	7 day
Chart Size:	4" DIA
Calibration:	User: none; Factory: zero (no display calibration)
Display Type:	LCD
Resolution:	0.1°F (0.1°C)
Mounting:	Desk or wall mount
Enclosure:	Black ABS & Polycarbonate
Dimensions:	5.2" x 5.2" x 2.4" (13.2 cm x 13.2 cm x 6.1 cm)
Weight:	0.65 lbs (295 g)
Approvals:	CE
Includes:	One "AA" alkaline battery, pen, and instruction manual



© Health Care Logistics, Inc. 2008 • Printed in the U.S.A.

Call Free 1 800 848 1633 or 1 888 HCL-INTL • Fax Free 1 800 447 2923
Web Site: www.HealthCareLogistics.com • E-mail: hcl@HealthCareLogistics.com

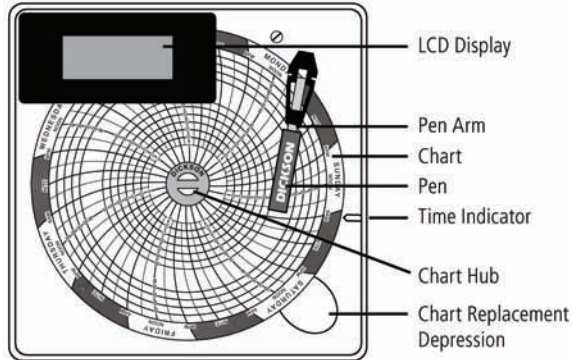
Getting Started

- Place a new chart on recorder.
- Set time by inserting a coin into chart hub and turning clockwise until the current hour is referenced to the time indicator. (Time Indicator is directly to the right and below the pen tip).
- Remove protective pen cap.

Battery Replacement

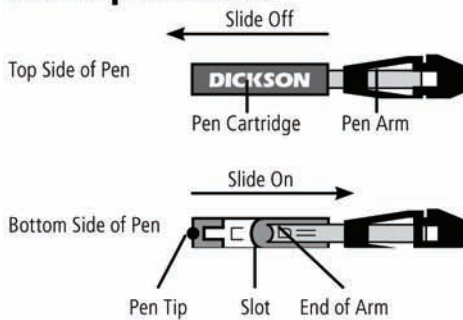
- The battery compartment is located on the back of the unit. The recorder uses a standard "AA" battery for up to three years of battery life.
- Insert new battery with positive end up.

Chart Replacement (Every 7 Days!)



1. Flip Pen Arm up, away from chart. Slip your finger into the chart replacement depression under the chart. Lift the Chart off of the Chart Hub, and slide it out from underneath the LCD Display.
2. Put ONE new Vaccine Chart on by sliding it under the LCD Display, and securing the center onto the Chart Hub.
3. Make sure the center of the chart, between Chart Hub, is not torn.
4. Set the time by inserting a coin in Chart Hub and turning clockwise until the current hour is referenced by the Time Indicator.
5. Flip Pen Arm down.

Pen Replacement



1. Slide used Pen Cartridge off Pen Arm.
2. Slide new Pen Cartridge on Pen Arm
3. Make sure end of pen arm comes into contact with pen tip.
4. Remove pen cap.



Calibration Services - New Units

- **N100 - NIST Traceable Calibration 1-Point:** Includes documentation to one Dickson pre-selected point on new units only.
- **N300 - NIST Traceable Calibration 3-Point:** Includes documentation of three Dickson pre-selected points (a high, medium, and low) on new units only.
- **N400 - Deluxe A2LA Accredited NIST Traceable Calibration 3-Point:** ISO Guide 25/A2LA Documentation of 3 pre-selected points of as found data before and after calibration for Dickson temperature and/or humidity instrumentation on new units only.
- **N995 - NIST User Selected Temperature Points:** Documentation of one customer specified point. Should be selected in addition to one of the above calibration options.

The Importance and Benefits of Regular Calibrations

Once you begin to use your precision Dickson instrumentation, regular calibrations are necessary to ensure accurate readings.

The following Calibration Services are available:

- **N150 - NIST Traceable Calibration 1-Point:** Includes documentation to one Dickson pre-selected point after re-calibration.
- **N350 - NIST Traceable Calibration 3-Point:** Includes documentation of three Dickson pre-selected points (a high, medium, and low) after re-calibration.
- **N450 - Deluxe A2LA Accredited NIST Traceable Calibration 3-Point:** ISO Guide 25/A2LA Documentation of 3 pre-selected points of as found data before and after calibration for Dickson temperature and/or humidity instrumentation.
- **N995 - NIST User Selected Temperature Points:** Documentation of one customer specified point. Should be selected in addition to one of the above calibration options.

Why should I recalibrate my instrumentation?

Over time dirt, dust and normal handling can throw your precision instrumentation out of calibration. Regular calibrations ensure that you receive the most accurate readings possible.

How often should I recalibrate my instrumentation?

Depending on the environment your instrument is used in and how often it is handled you will want to recalibrate your instrument every 6 to 12 months. Instruments in environments where there are extreme temperatures, wide temperature ranges, humidity or pressure variations, high condensation, dirt, dust and other debris will require calibration at least every 6 months. Instruments that are frequently moved or in locations with heavy machinery that cause vibrations should also be calibrated at least every 6 months.

Why should I return my instrument to Dickson for calibration?

Dickson calibrates your instrument at the factory using proprietary production/calibration software that guarantees proper calibration.

Our Capabilities

Dickson is the first manufacturer of humidity and temperature instrumentation to receive A2LA accreditation. We are also NIST Traceable; our procedures conform to MIS-STD-45662A, ANSI/NCSL 2540-1-1994, ISO/IEC Guide 25 and ISO10012. We are experts in the manufacture and calibration of humidity and temperature instruments.

- **Fast Service:** Our turnaround time is 3 days or less so you receive not only expert service but fast service as well.
- **Easy:** We make it easy for you! No phone calls for Return Authorization Numbers are required. We remind you when your instrument is due for calibration. You simply send in the completed Calibration

Order Form with your unit for calibration with freight prepaid to Dickson.

