

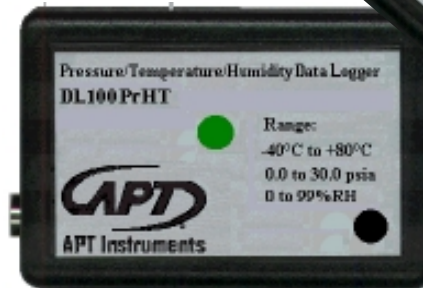
New *DataQuick™* Miniature Data Loggers

Our new DL100-series Data Loggers are low cost, high resolution (16-bit), stand-alone instruments that are designed to adapt to a wide range of applications. The small size allows it to fit almost anywhere. Start simplifying your record keeping today.

Select one of the two miniature model series to meet your requirements:

- DL100 - small, compact, plastic housing.**
- DL110 - same, but with a start/stop button.**

Wide range of measurements!



DL110T (above) and DL100PrHT (left)

SPECIAL FEATURES

- 16 Bit Resolution*
- Programmable Start Time*
- Programmable Calibration*
- Memory Wrap Around*
- Reusable*
- User Calibration with software*
- Windows-Compatible Software*
- Real Time Operation*
- Programmable Engineering Units*

Real time clock ensures that all data is time and date stamped. All measurements are stored in non-volatile solid state memory, providing maximum data security even if the battery becomes discharged. Collect data in batch or real-time operating modes.

Set up your data logger with our simple, straightforward Windows-compatible software program. Your system can be operational in minutes. Set the date, time, userID and other parameters quickly through the PC. One software package is all that is needed to operate all of these data loggers. Sensors are either internal or connected through screw terminals on the side (remote sensors not included).

Later, to download data, plug into an empty com port and let the software do the rest. Plot the data, calculate Max, Min, Mean and Standard Deviation. Export data to Excel. See the data logger software sheet for complete details. Order the software separately with the accessories.

APPLICATIONS

- HVAC*
- Medical/Pharmaceutical*
- Warehouses / Museums*
- Process Monitoring/Recording*
- Predictive Maintenance*
- Environmental Studies*
- Monitor Perishable Goods in Transit*
- Replace Costly Strip Chart Recorders*

SPECIFICATIONS

- Measurement Range:** See ordering table (page 2)
- Accuracy:** See table
- Repeatability:** See table
- Memory:** See table
- Sampling Interval:** Prog. 2, 5, 10, 15, 30 sec; 1, 5, 10, 15, 30 min; 1, 2, 4, 8, 12 hrs.
- Operating Cond:** -40 to 80°C (-36 to 176°F); 5 to 95%RH (non-condensing)
- Enclosure:** ABS, IP22
- Power:** 3.5 V lithium; 1 yr life typ.
- Dimensions:** 56 x 35 x 15 mm (2.2 x 1.4 x 0.6 in.)
- pH** 95 x 60 x 25 mm (3.7x2.4x1 in).
- Weight:** approx 26 g (0.9 oz); 113 g (4 oz)
- Shipping Wt:** approx 0.45 kg (1 lbs)

DL100/110 Data Loggers

DL100 Ordering Information

Part No.	Model No.	Parameter**	Range	Acc.	Resol.	Memory	Features
DL100.001	DL100T	Temperature	-40 to 80°C	±0.5°C	0.1°C	32,768	Red LED Status or Alarm.
DL110.001	DL110T	Temperature	-40 to 80°C	±0.5°C	0.1°C	32,768	Start/Stop Button. Red LED Alarm. Green LED sampling indicator.
DL100.002	DL100TH	Temperature	-40 to 80°C	±0.5°C	0.1°C	10,922	Red LED Status or Alarm.
		Humidity	5 to 95%	±3%	0.5%	10,922	
DL100.003	DL100Tc	Temperature	-40 to 80°C	±0.5°C	0.1°C	21,845	Ambient temp. with second channel for remote thermocouple. Program for types J,K,T,E,R,S,B,N. Red LED Status or Alarm.
		Remote Temp	Thermocouple-- -260 to 1370°C(K)	±0.5°C (est.)	0.1°C	21,845	
DL100.004	DL100V	Remote 0 to 15 Vdc	-0.1000 to 15.000 Vdc	±0.1% FSR	0.025 mVdc	32,768	10K ohm impedance. Green LED sampling indicator. Progr Eng Unit.
DL100.005	DL100mA	Remote 4 to 20 mA	0.000 to 33.0000 mA	±0.1% FSR	0.5 uAmp	32,768	75K ohm impedance. Green LED sampling indicator. Progr Eng Unit.
DL100.006	DL100Pu	Remote Pulse/Event	1 to 1,000,000 (TTL, Internal Pullup or contact closure)	±10 mSec	1	21,845	10K ohm impedance. Green LED sampling indicator. Progr Eng Unit. (+30Vdc max pulse).
DL100.008	DL100TPr	Temperature	-40 to 80°C	±0.5°C	0.1°C	8192	Green LED sampling indicator. Progr Eng Unit. Auto calculation of mmHg, Inches, Pascals, Torr, etc.
		Pressure	0 to 30 psia	±0.01 psia	0.001 psia	8192	
DL100.009	DL100THPr	Temperature	-40 to 80°C	±0.5°C	0.1°C	8192	Green LED sampling indicator. Progr Eng Unit. Auto calculation of mmHg, Inches, Pascals, Torr, etc. Ambient temperature and humidity.
		Humidity	5 to 95%	±3%	0.5%	8192	
		Pressure	0 to 30 psia	±0.01 psia	0.001 psia	8192	
DL100.010	DL100RTD	Remote RTD	-40 to 80°C	±0.1°C	0.1°C	21,845	Green LED sampling indicator.
DL100.011	DL100pHT*	Remote pH	0.00 to 14.00 pH	±0.05 pH	0.01 pH	13,107	Green LED sampling indicator. BNC connector for pH. 100 ohm Pt100 (2,3 or 4-wire)
		Remote RTD	-40 to 80°C	±0.1°C	0.1°C	13,107	

* larger package size. See dimensions. **Remote indicates external sensor required. Not included with package.

DL100/110 Accessories Ordering Information

- DL100.950** Windows® Software with PC interface cable. Windows 95/98, Me, NT, 2000, XP.
- DL100.952** NIST-traceable Certificate of Calibration.
- DL100.953** High temperature housing.
- DL160.952** Repl Batteries. 3.5V lithium.
- DL160.953** Repl Connectors - 2 terminal.
- DL160.954** Repl Connectors - 4 terminal.

High Temperature Housing

Place your miniature datalogger with remote probe in this high temperature housing to protect it from the environment. Withstands 260°C for up to 30 minutes when properly sealed. 152 x 101 x 76 mm (6 x 4 x 3 in Stainless Steel.



For more information contact:

iProcesSmart.com
Tel: 510.352.8199
Fax: 510.352.8897
sales@iprocesmart.com

Need a wireless system?!! Check out our new RF transmitters for continuous data acquisition with a wireless system!

Specifications subject to change.

APT logo, DataQuick™ Advanced Product Technology, LLC Windows—Reg TM Microsoft Corp. © Copyright 2002 Advanced Product Technology, LLC.

DL100/110PS-1CC-p2