Seametrics

ISO 9001:2008 CERTIFIED COMPANY

FEATURES

- Easy to set-up, easy to use
- Weeks/months/years of data storage
- User-selected sampling interval
- Data retrieval with laptop computer
- Single data retrieval device serves multiple data loggers

APPLICATIONS

- Water usage monitoring, reporting, and management
- Custody transfer regulation
- Peak demand monitoring

GENERAL INFORMATION

The DL76 is a battery-powered data logger that can be used with any Seametrics flowmeter. It stores pulses for up to 3 years, depending on the user-selected frequency of reading. Indicator lights on the unit flash to indicate when it is functioning and when the battery is low.

The DL76 can be factory-mounted on the meter or remotely mounted. Housings are rugged cast aluminum, gasketed for environmental protection.
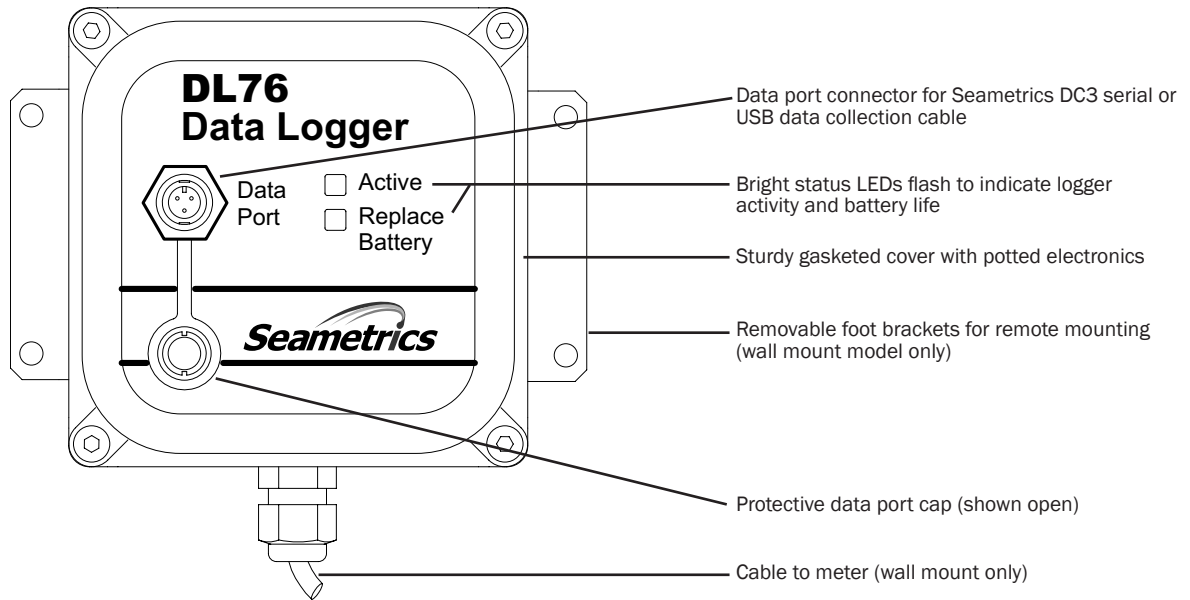
When a DL76 logger is placed into operation, it is easily set up using a laptop computer. Data is also retrieved from the DL76 by means of a laptop and can be analyzed on the laptop or easily loaded on a desktop computer for analysis.

*FlowInspector version 2 software (ordered separately) is required for the downloading, storing, viewing, graphing, charting and printing of data in several formats. FlowInspector requires a PC with Windows 98, NT, 2000, XP, Vista or Windows 7; CD-Rom drive; 800 x 600 screen resolution; serial port or USB/serial adapter; and a Seametrics DC3 data cable. FlowInspector can be used with an unlimited number of dataloggers.

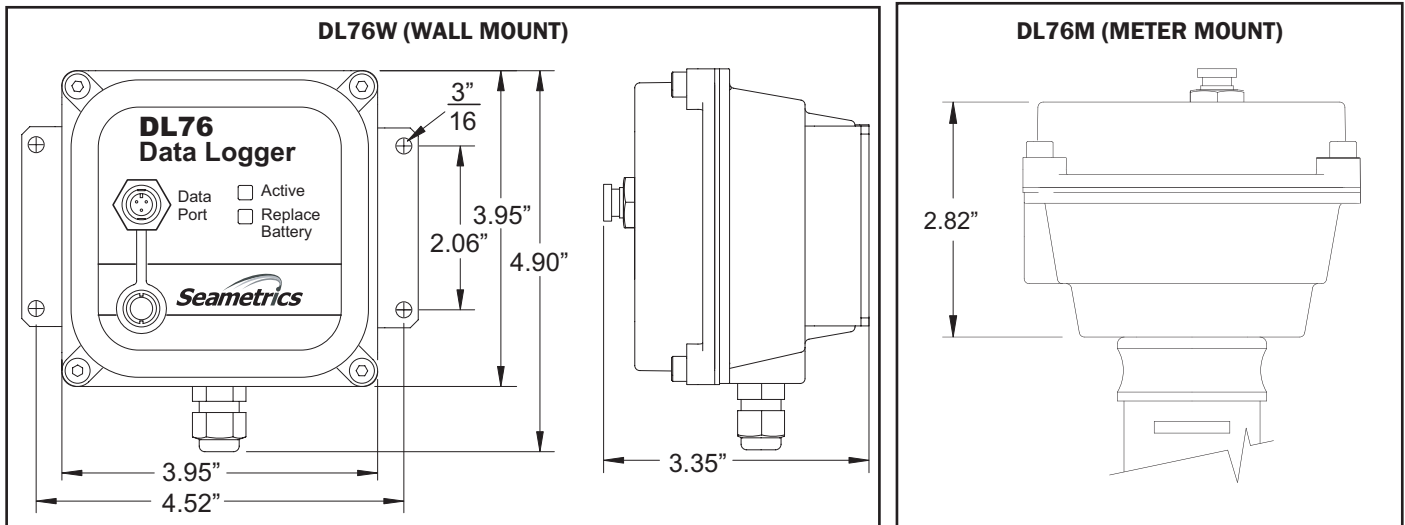*Older versions of FlowInspector are not compatible with the DL76.

Seametrics

FEATURES

DL76 Data Logger

Data Port

☐ Active
☐ Replace Battery

Seametrics

Data port connector for Seametrics DC3 serial or USB data collection cable

Bright status LEDs flash to indicate logger activity and battery life

Sturdy gasketed cover with potted electronics

Removable foot brackets for remote mounting (wall mount model only)

Protective data port cap (shown open)

Cable to meter (wall mount only)

SPECIFICATIONS*

Power		Size C 3.6 Vdc lithium battery (included)
Battery Life		Estimated life is 3-5 years depending on usage.
Temperature		0˚ to 130˚ F (-18˚ to 54˚C)
Rate Units	**Volume**	mL, liter, gallon, Imperial gallon, cubic foot, cubic meter, million gallon
	Time	Seconds, minutes, hours, days
Total Units		Liter, gallon, Imperial gallon, cubic foot, cubic meter, million gallon, acre-foot, acre-inch, megaliter, thousand-gallon

Data Storage Capacity

Example: If logging interval is every 480 seconds (8 min.) = 7.5 datapoints/hour = 180 datapoints/day. Therefore: for 365 days capacity is 65,700 datapoints/year.

Capacity	at	Sampling Interval
11 days	at	15 seconds
22 days	at	30 seconds
44 days	at	60 seconds
6 months	at	240 seconds
1 year	at	480 seconds
3 years	at	1450 seconds

Maximum Input Frequency	500 Hz
Indicators	Low battery; Power
Memory Wraparound	Selectable options (Stop or Overwrite) on 512KB Internal Memory
Clock Accuracy	10 minutes/month (.02%)
Environmental	NEMA 4X, IP66

*Specifications subject to change • Please consult our website for current data (www.Seametrics.com).

DIMENSIONS

DL76W (WALL MOUNT)

DL76
Data Logger

Data Port

☐ Active
☐ Replace Battery

Seametrics

3" / 16

3.95"
2.06"
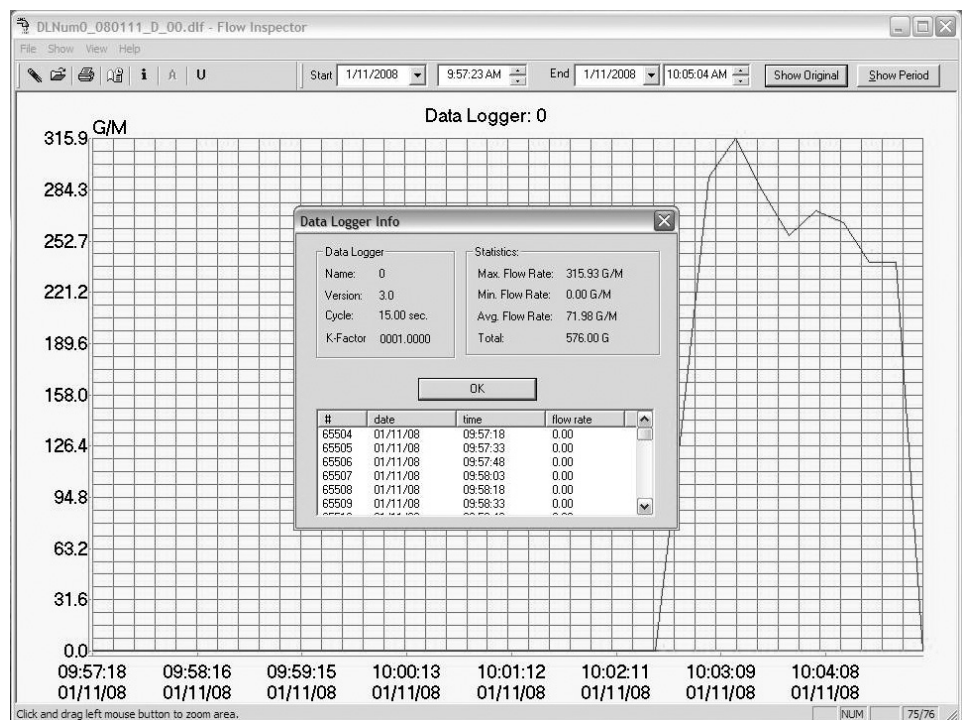4.90"

3.95"
4.52"

3.35"

DL76M (METER MOUNT)

2.82"

FlowInspector™ SOFTWARE

FlowInspector version 2 software (ordered separately) is required for setup and operation of the DL76, including data retrieval (with a laptop computer), storage, and analysis. (NOTE: Older versions of FlowInspector are not compatible with the DL76.)

FlowInspector Capabilities:

- Manage multiple loggers
- Record up to 3 years of data (depending on sampling interval)
- View current rate and total
- Download files to laptop
- Download files stored on the laptop
- Display flow information as a graph
- Display average and maximum/ minimum flow rate for any selected time period
- Zoom in to graph any time period
- Show daily flow totals in table format
- Append multiple files
- Print graphs and tables
- Export data to an Excel spreadsheet (.csv) or simple text (.txt) file

DLNum0_080111_D_00.dlf - Flow Inspector

File Show View Help

Start 1/11/2008 ▼ 9:57:23 AM ▼ End 1/11/2008 ▼ 10:05:04 AM ▼ Show Original Show Period

Data Logger: 0

G/M

315.9
284.3
252.7
221.2
189.6
158.0
126.4
94.8
63.2
31.6
0.0

Data Logger Info

Data Logger
Name: 0
Version: 3.0
Cycle: 15.00 sec.
K-Factor 0001.0000

Statistics:
Max. Flow Rate: 315.93 G/M
Min. Flow Rate: 0.00 G/M
Avg. Flow Rate: 71.98 G/M
Total: 576.00 G

OK

#	date	time	flow rate
65504	01/11/08	09:57:18	0.00
65505	01/11/08	09:57:33	0.00
65506	01/11/08	09:57:48	0.00
65507	01/11/08	09:58:03	0.00
65508	01/11/08	09:58:18	0.00
65509	01/11/08	09:58:33	0.00

09:57:18 09:58:16 09:59:15 10:00:13 10:01:12 10:02:11 10:03:09 10:04:08
01/11/08 01/11/08 01/11/08 01/11/08 01/11/08 01/11/08 01/11/08 01/11/08

Click and drag left mouse button to zoom area. NUM 75/76

HOW TO ORDER

MODEL

Data Logger = **DL76**

| DL76 | |

MOUNTING

Wall mount = **W**

Meter mount = **See appropriate meter specification to order meter mounted units.**

SOFTWARE

FI-SW Version 2*

ACCESSORIES

Data Logger Serial Cable for Laptop = **DC3**

Data Logger USB Cable for Laptop = **DC3-USB**

NOTE: If the DC3 Serial Cable is used with a laptop configured with a USB port, a serial-to-USB converter cable is required.

NOTE: FlowInspector software is provided at no charge but must be ordered as a seperate line item.

*FlowInspector software is also available for download at: www.seametrics.com/downloads

CONTACT YOUR SUPPLIER