

Digital Data Loggers (DDLs) Info Sheet

VFC providers are required to use digital data loggers (DDLs) to monitor temperatures inside each of their VFC vaccine storage units. Providers are also required to have at least one back-up DDL available on-site.

DDLs should include the following features:

- ✓ Detachable, buffered probe (or digitally buffered device that mimics a buffered probe)
- ✓ Alarm (audible or visual) for out-of-range temperatures
- ✓ Current, minimum, and maximum temperatures
- ✓ Active display outside the unit so there is no need to open the unit door while conducting routine checks of the storage temperatures
- ✓ Low battery indicator
- ✓ Accuracy of +/- 1°F (0.5°C)
- ✓ Memory storage of at least 4,000 readings
- ✓ User programmable logging interval (or reading rate)
- ✓ Data is easily downloadable for review
- ✓ Current and certified certificate of calibration

The below manufacturers have DDLs that we know meet VFC program requirements. It is recommended that you contact the Tennessee Immunization Program prior to purchasing a new DDL to verify that it meets program requirements.

Manufacturer/distributor	Website	Phone Number
Berlinger USA, LLC	http://www.berlinger.com	(508) 366-0084
Control Solutions, Inc.	http://www.vfcdataloggers.com	(503) 410-5996
MicroDAQ	http://www.microdaq.com	(877) 275-9606
SensoScientific	http://www.sensoscientific.com/vaccine-vfc/	(877) 279-3101
Onset Computer Corporation	http://www.onsetcomp.com/intemp	(800) 564-4377
Stanley Healthcare	https://www.stanleyhealthcare.com	(888) 622-6992

Please note the Tennessee Immunization Program cannot endorse or recommend specific products or brands.

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When purchasing a DDL, it is important to ask the vendor to set the device with the below parameters before it is shipped:

- Records in Celsius
- Records temperatures in 15 minute intervals
- Refrigerator parameters set to alarm when:
 - Below 2°C for 15 consecutive minutes
 - Above 8°C for ≥ 60 consecutive minutes
- Freezer parameters set to alarm when:
 - Above -15°C for ≥ 60 consecutive minutes

Ask the vendor to provide training or resources on the DDL's functions, especially how to read an alarm, record daily temperatures, and printing the weekly DDL report.