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iButton vs. PyroButton

Data storage in "general purpose memory"	iButton	PyroButton
21 CFR Part 11 compliant requirement	no	yes
Suitability for FDA regulated industries (pharmaceutical, biotech, medical device, etc).	no	yes
	Integrity protection	
Measurement ID	no	yes
Vendor	no	yes
Owner	no	yes
Comment	no	yes
Data-acquisition programmer	no	yes
Software serial number used for programming	no	yes
Measurement data (start, sampling rate, limits etc.)	no	yes
Attrition data	no	yes

Data storage in "Button License File"	iButton	PyroButton
BLF integrity protection	-	yes
Data-logger type & ID	-	yes
Manufacturer	-	yes
Calibrated by	-	yes
Calibration date	-	yes
Date of next calibration	-	yes
Certificate of Calibration ID	-	yes
Calibration SOP ID	-	yes
Temperature and/or humidity calibration correction table(s)	-	yes
Uncertainty of temperature calibration determination	-	yes

General features	iButton	PyroButton
Software support	Basic communication software	PyroButton-Basic PyroButton-Standard PyroButton-SQL
Accuracy (temperature and humidity)	manufacturer specification	Improved by high resolution calibration
Humidity data smoothing (noise reduction)	no	yes
Measurement uncertainty calculation	no	yes

The data-logger is calibrated at 5 temperature points (prior to shipment)	no	**yes**
The data-logger is calibrated at 3 humidity points (prior to shipment)	yes	**Improved**
Temperature and humidity calibrations are verified and Certificate of Calibrations are provided for each data-logger with each shipment	no	**yes**
Automatic calibration corrections	no	**yes**
Calibration management (tracking, documentation, correction employment)	no	**yes**
Performance Qualification of calibrations is tracked during the life-time of each data-logger	no	**yes**
Data-logger attrition/lifetime prediction	no	**yes**
Data-acquisition simulation supports optimization strategy for the battery life span	no	**yes**