

Project Information

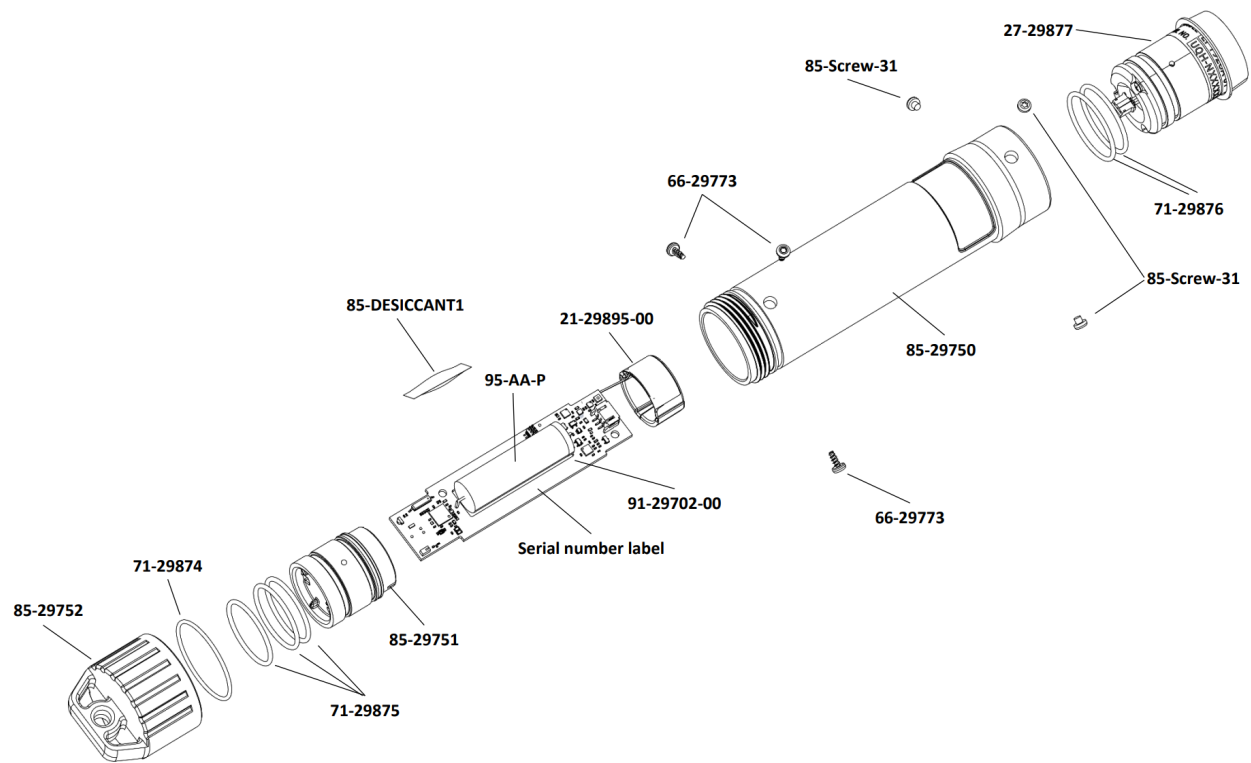
Onset Computer Corporation

HOBO® MX2502 Underwater PAR Logger Photos, Internal

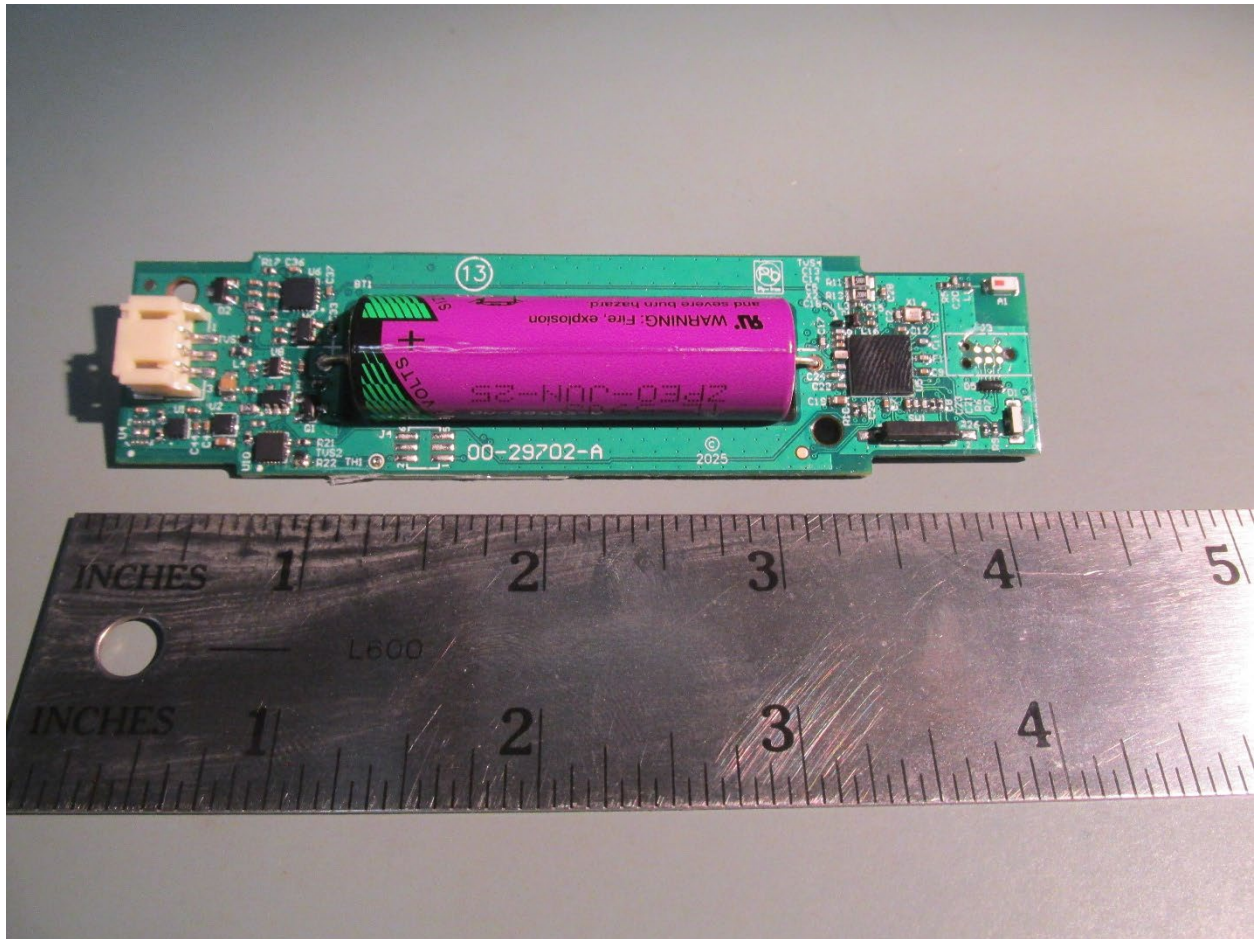
Product Name	HOBO® MX Underwater PAR Data Logger
Model Number(s)	MX2502
Document Owner	Jim Corrigan
Date of Document	12/2/2025

The following pages provide internal photos of the MX2502 product. The photos show all internal components and assemblies, and a ruler has been included for dimensional purposes.

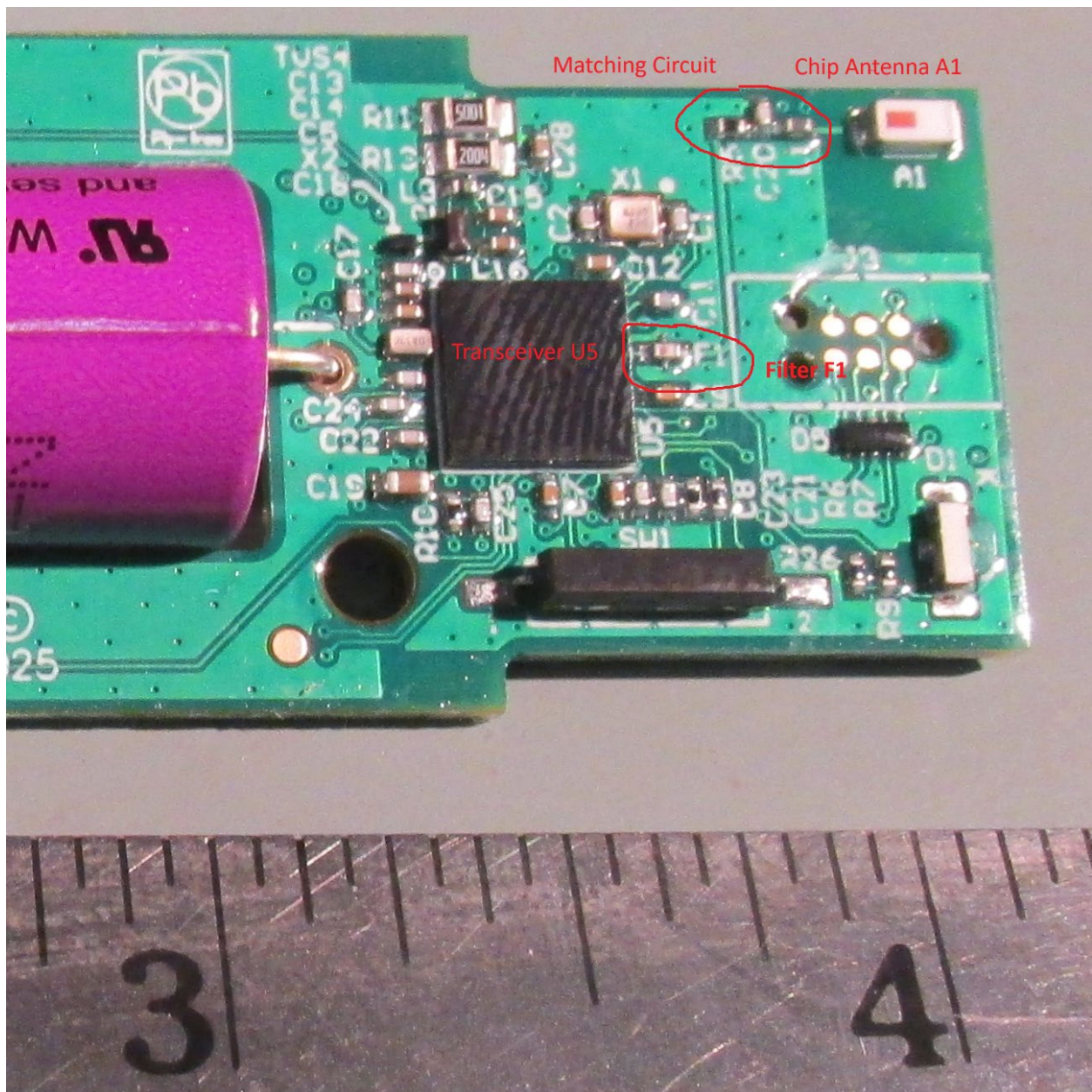
The MX2502 is the only model. This is not a family.



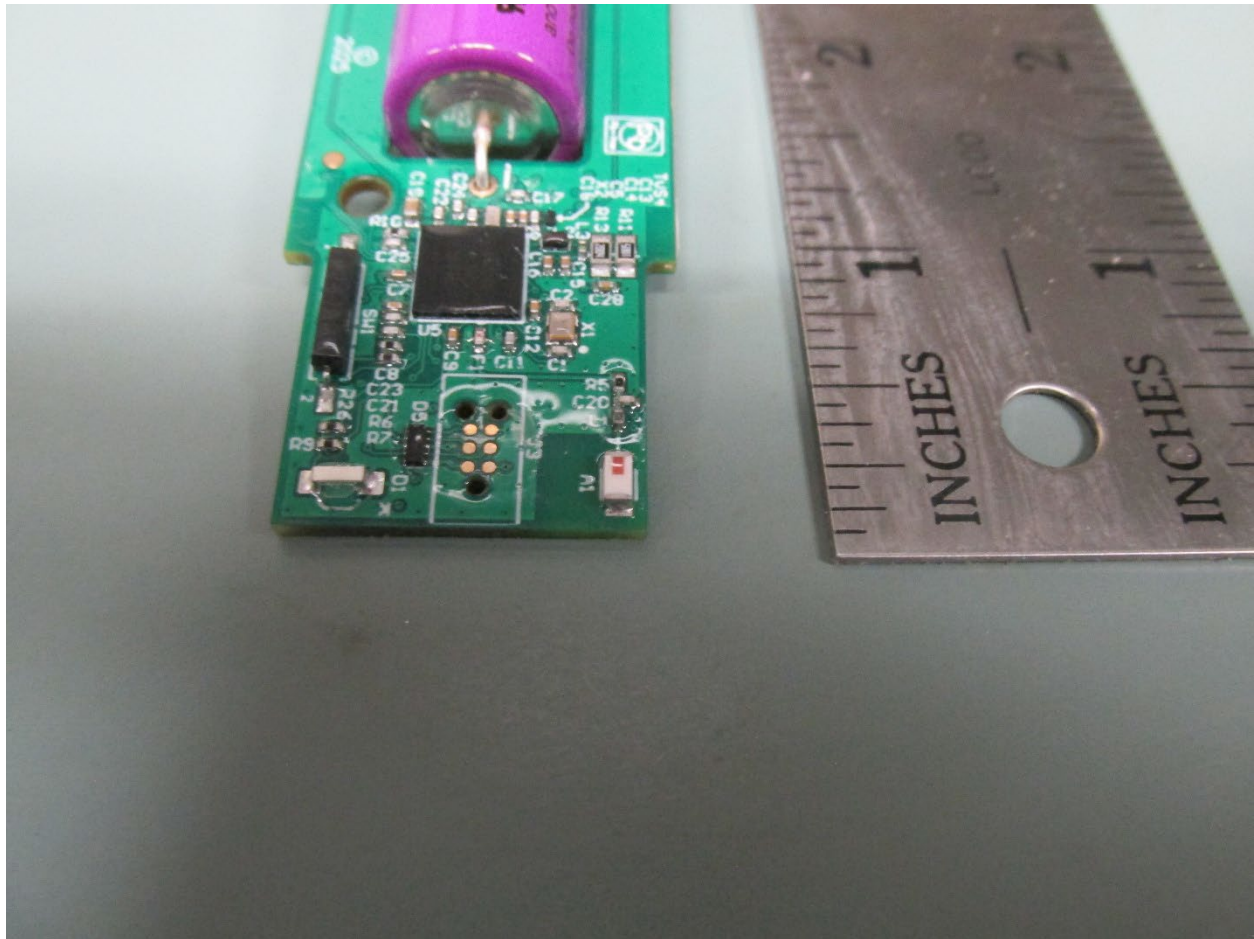
MX2502 Overall Assembly Drawing



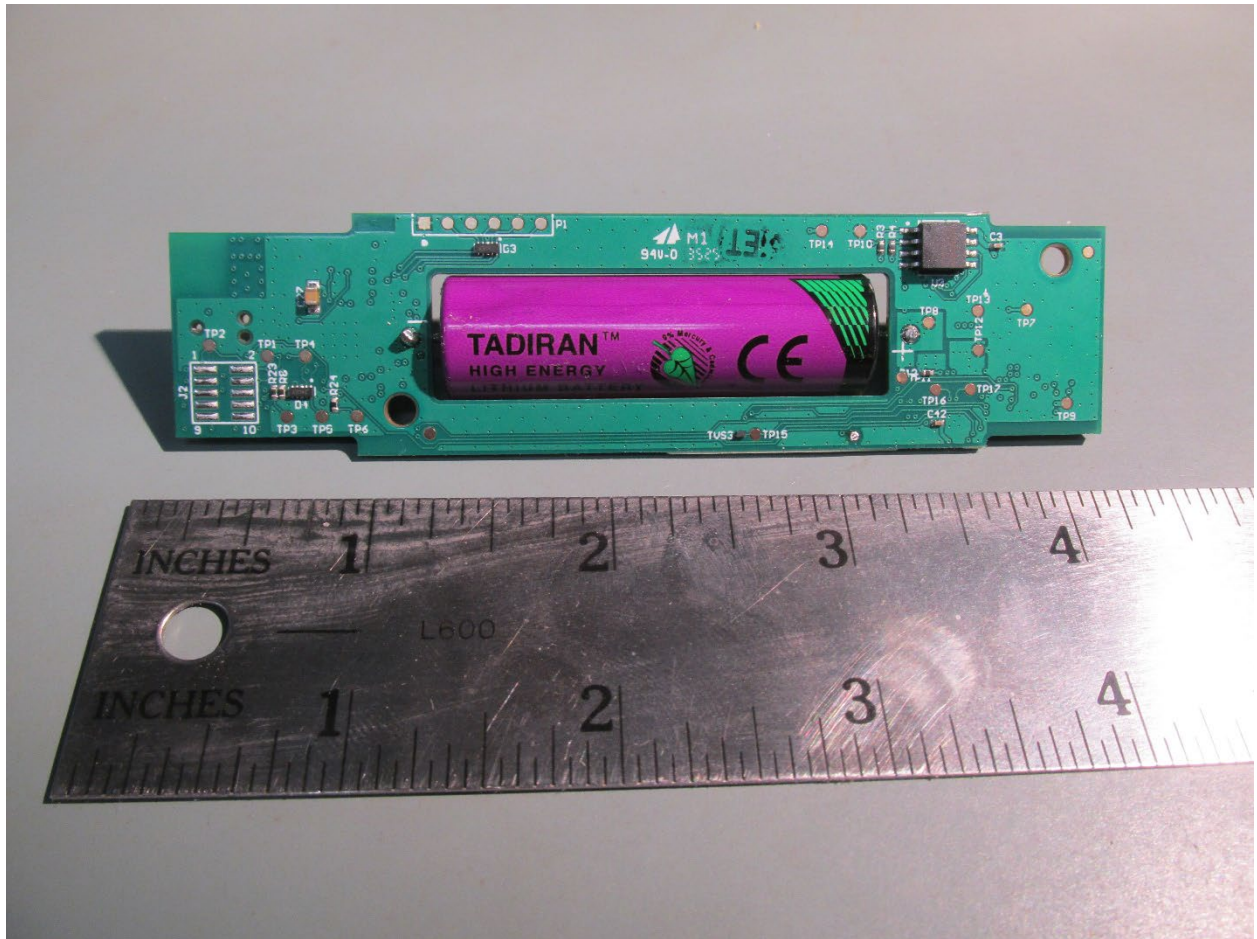
PCB 91-29702-00, Front side.



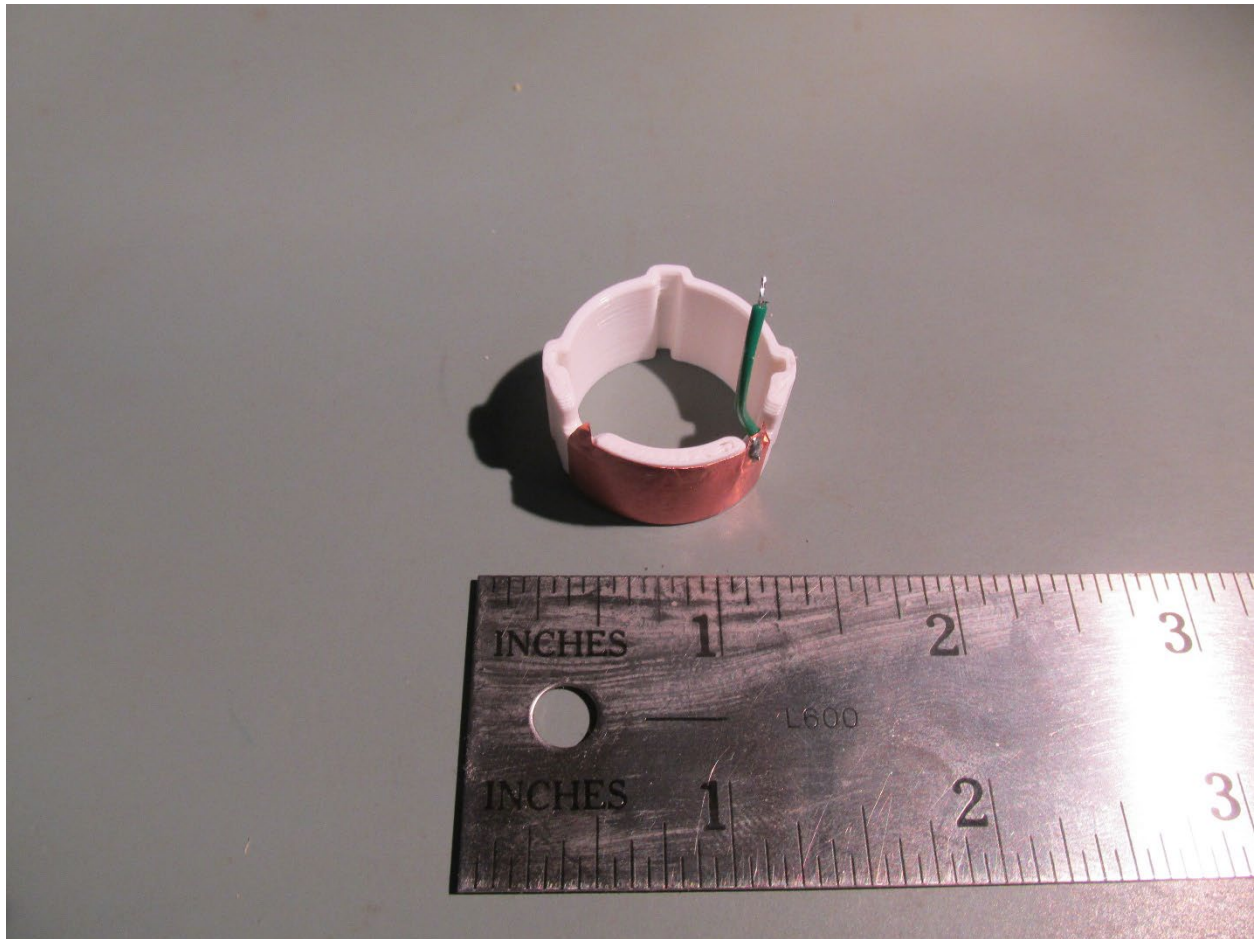
PCB RF Section showing chip antenna A1, Matching circuit (R5, C20, L1), Transceiver IC U5 and Filter F1.



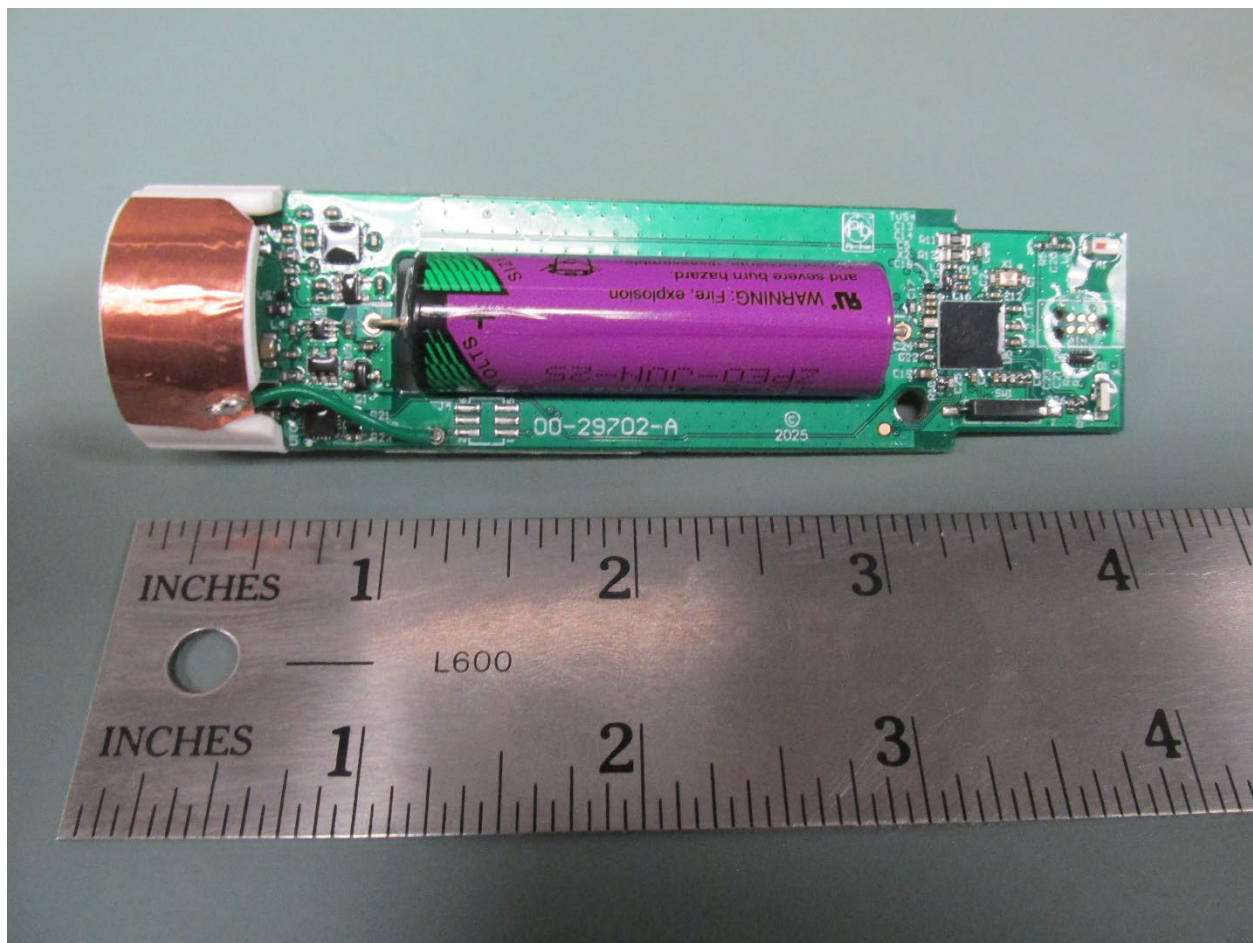
FR section of the PCB shown from the end view. Note chip antenna A1, matching circuit (R5, C20, L1), Filter F1 and transceiver IC U5.



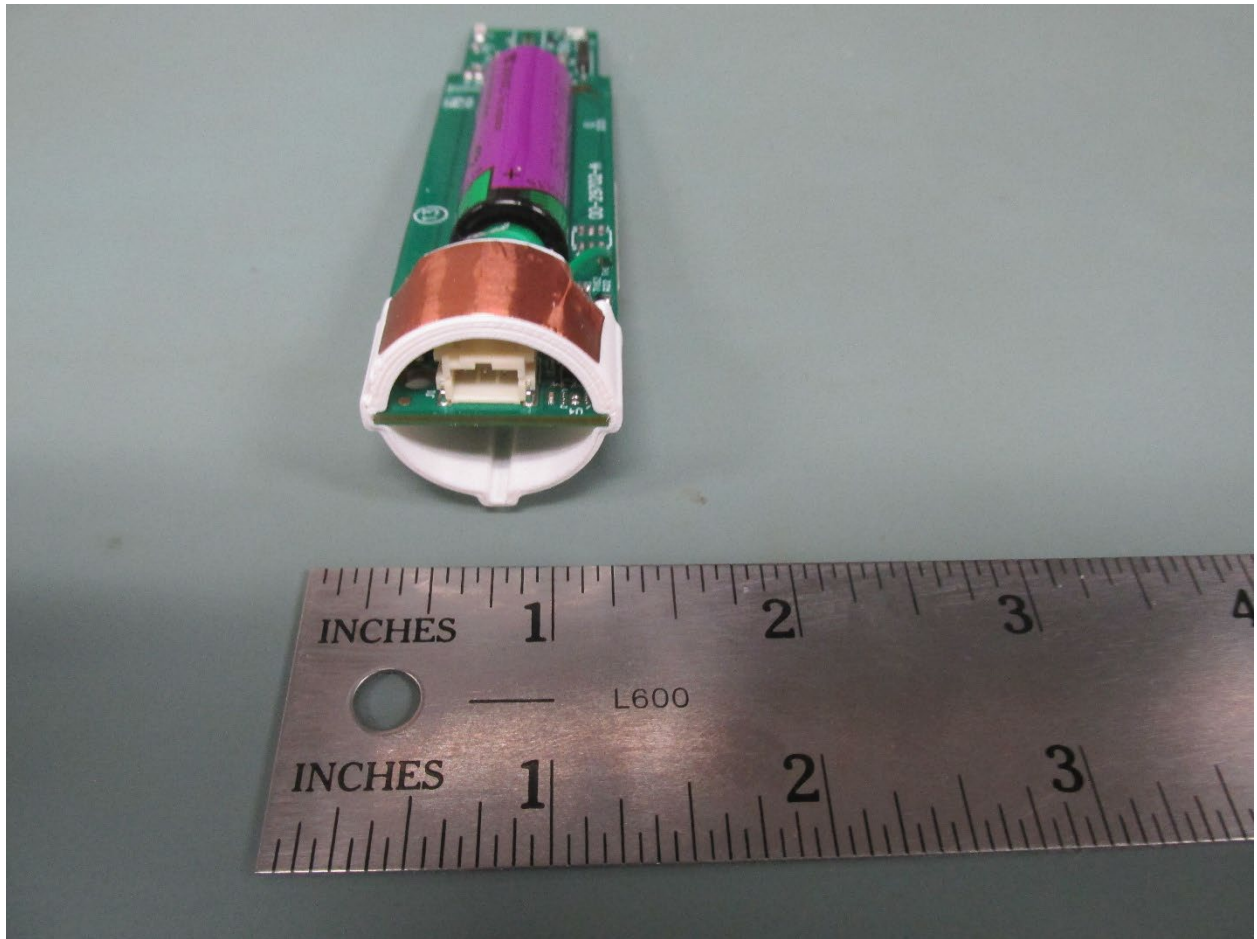
PCB Back side.



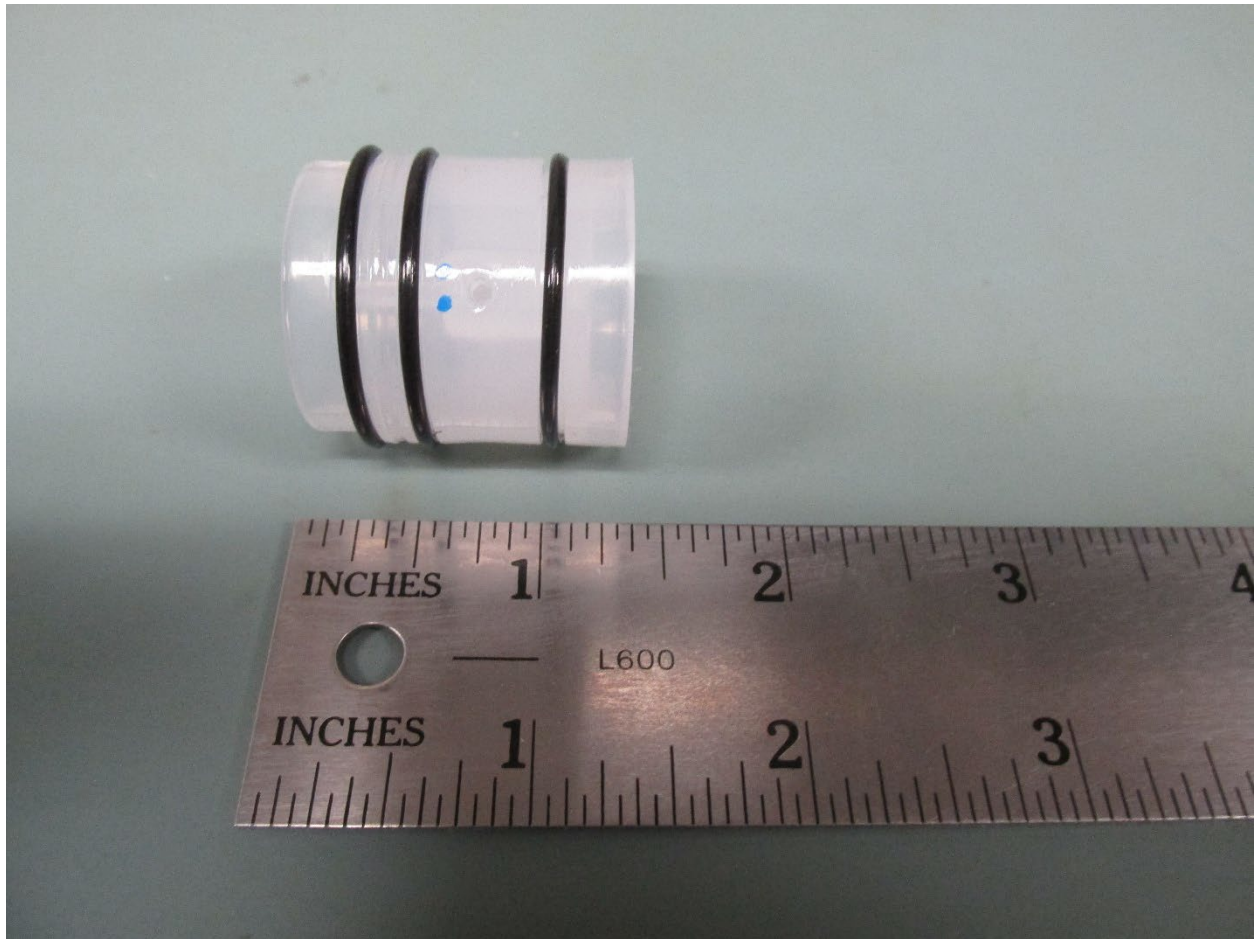
Water detect chassis 21-29895-00, foil and wire assembly.



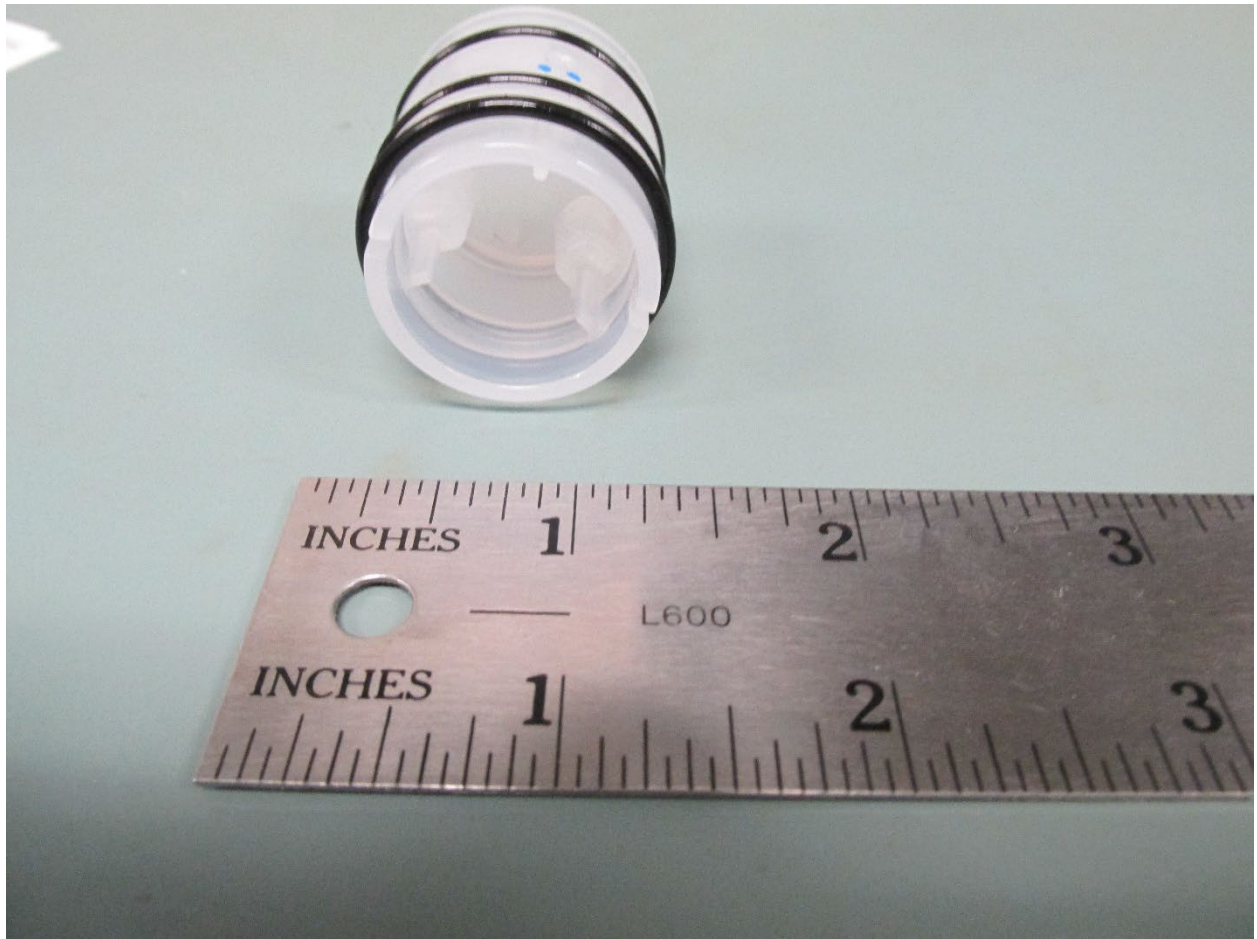
Water detect assembly slid onto the PCB. Front view.



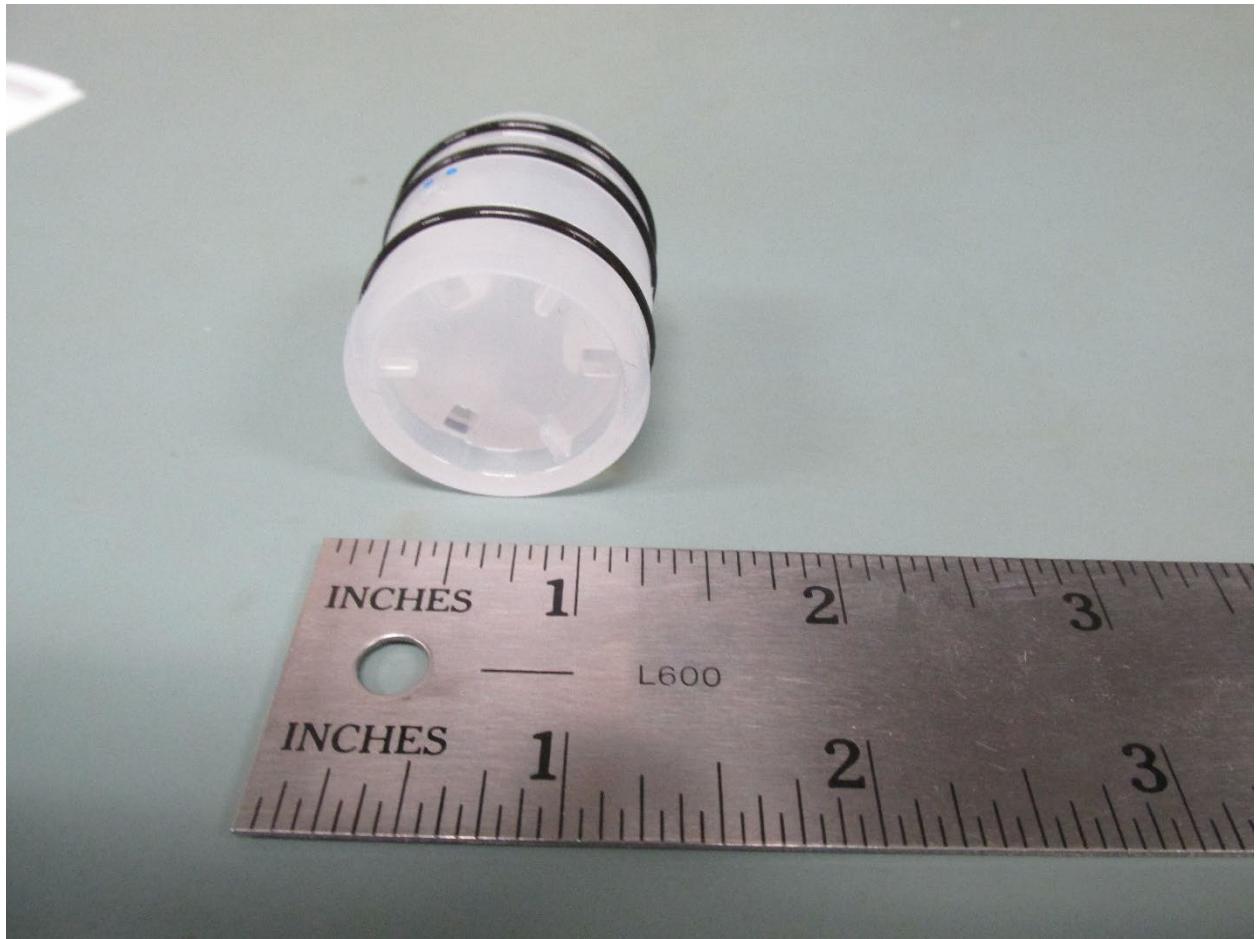
Water detect assembly slid onto the PCB, side view.



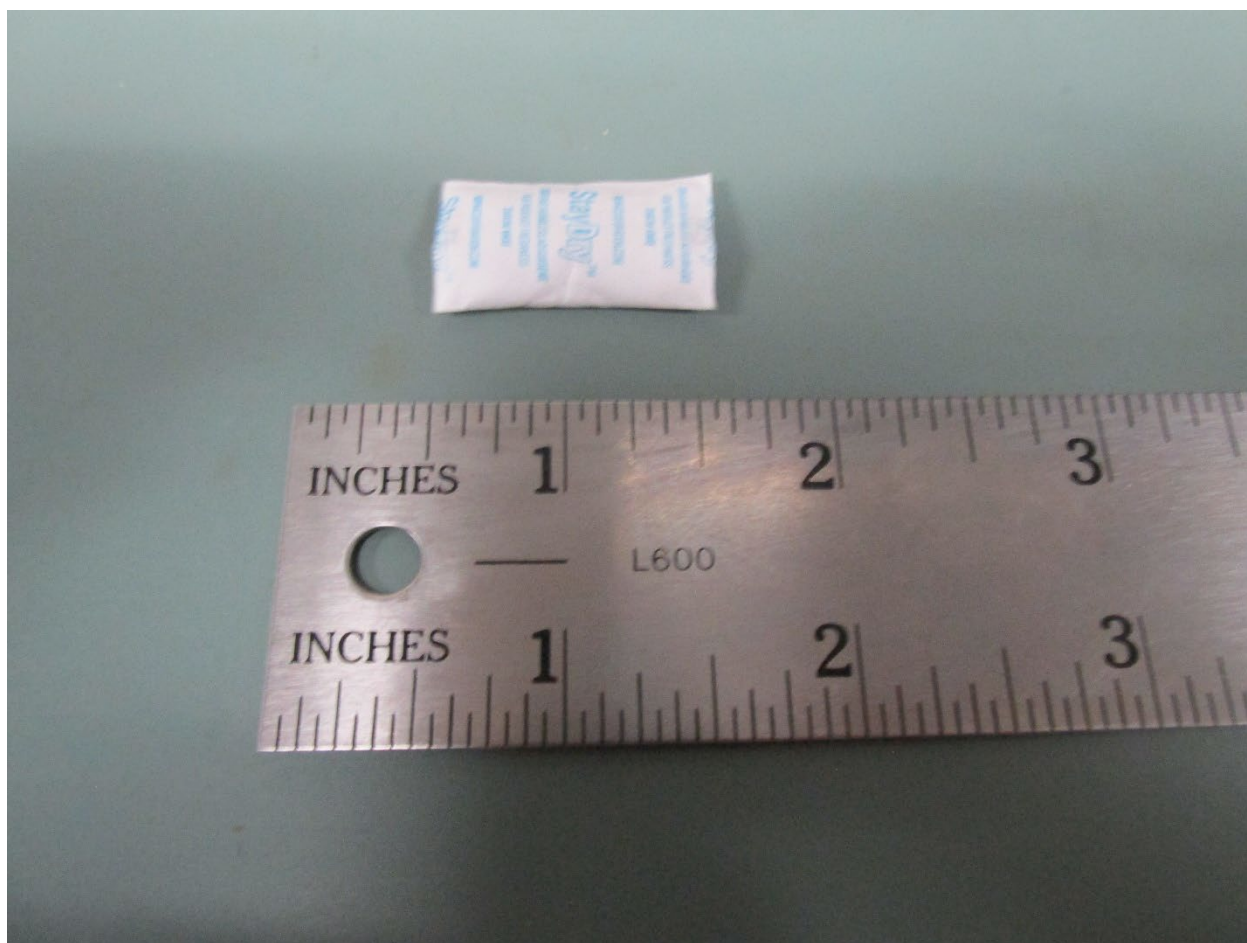
Clear end cap 85-29751, side view.



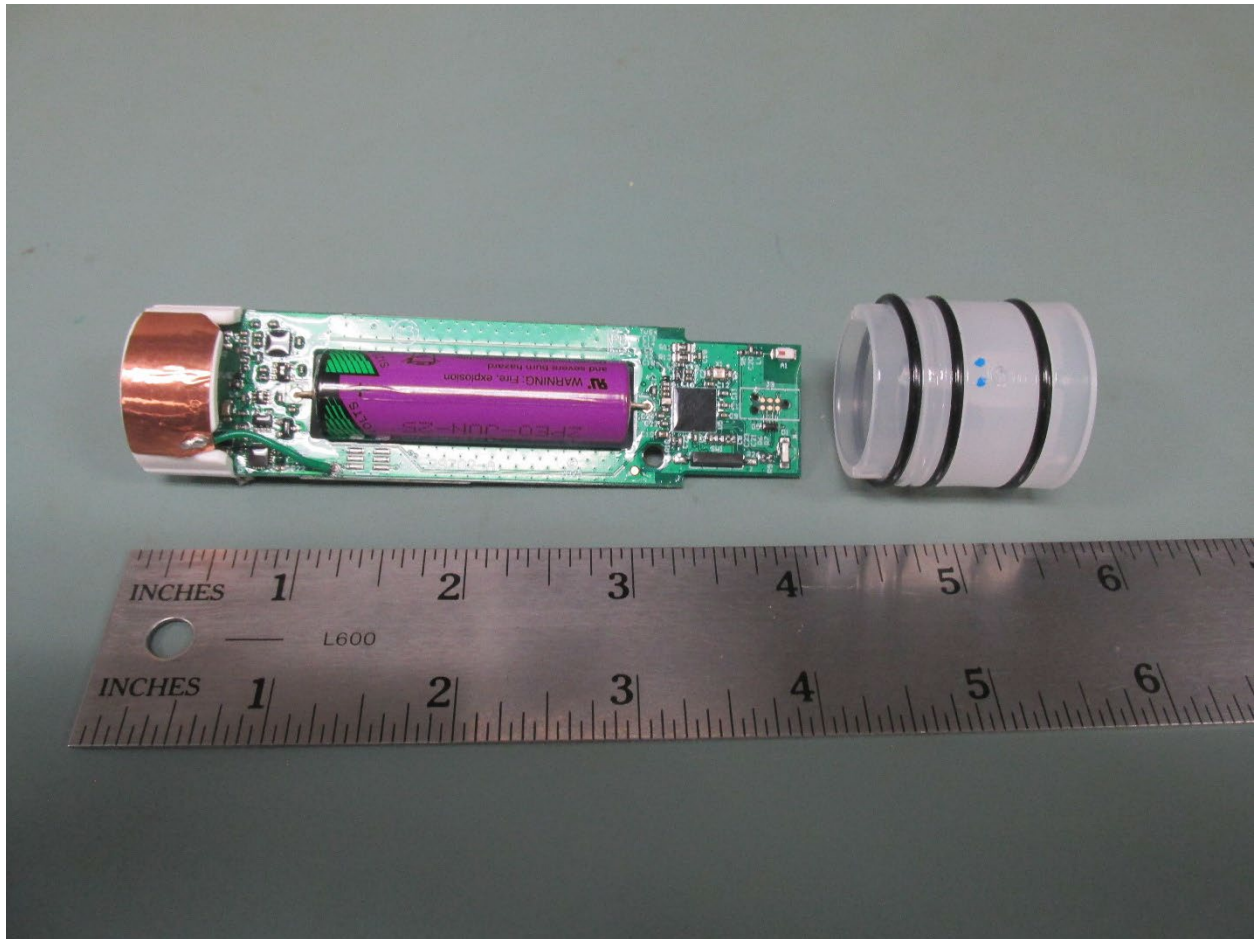
Clear end cap, back view.



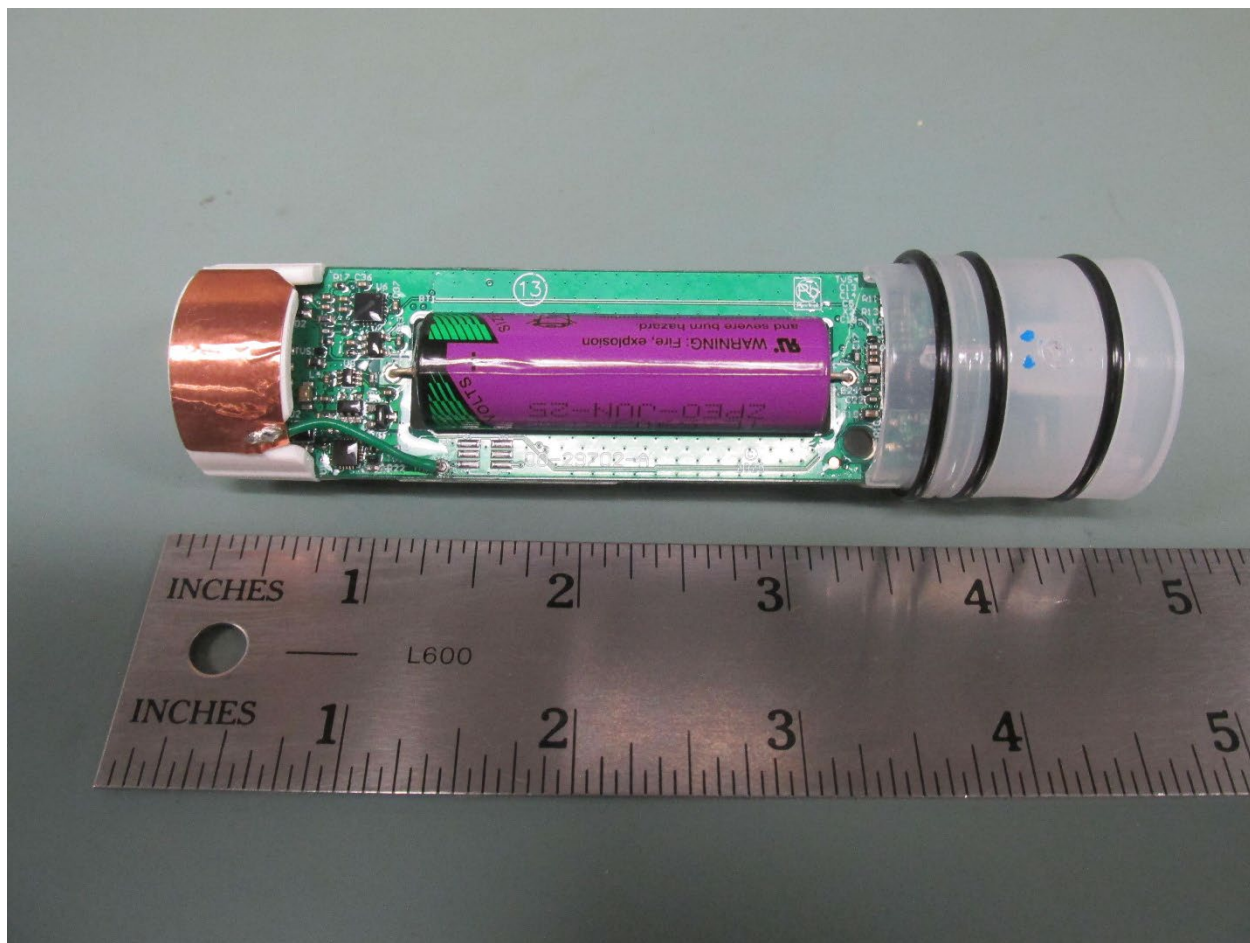
Clear end cap, front view.



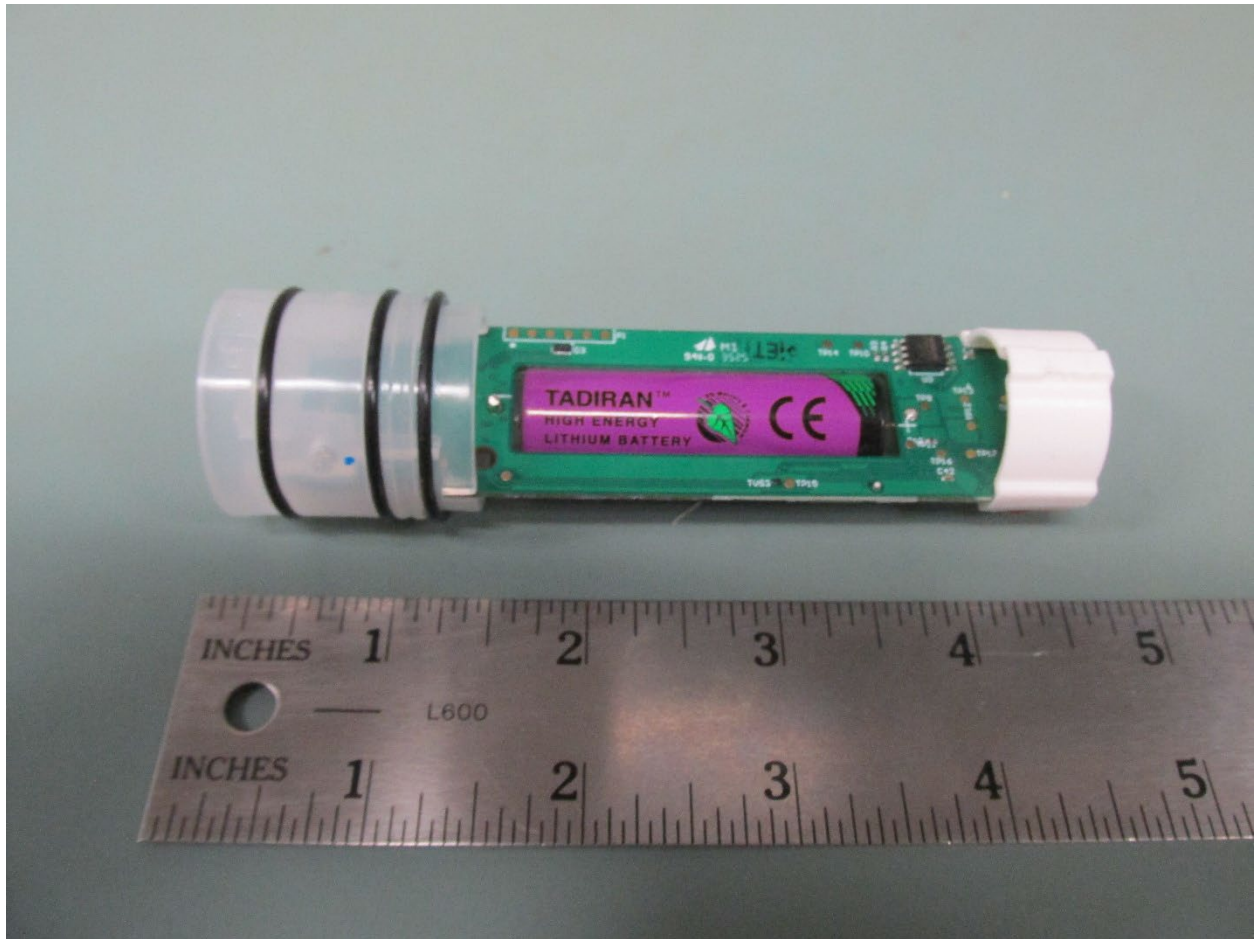
Desiccant package 85-DESICCANT1



Clear end cap, in position to fit onto the PCB.



Clear end cap, slid into position on the PCB. PCB front view.



Clear end cap, slid into position on the PCB. PCB back side view.



Logger inner assembly, position to slide into the plastic enclosure 85-29750.



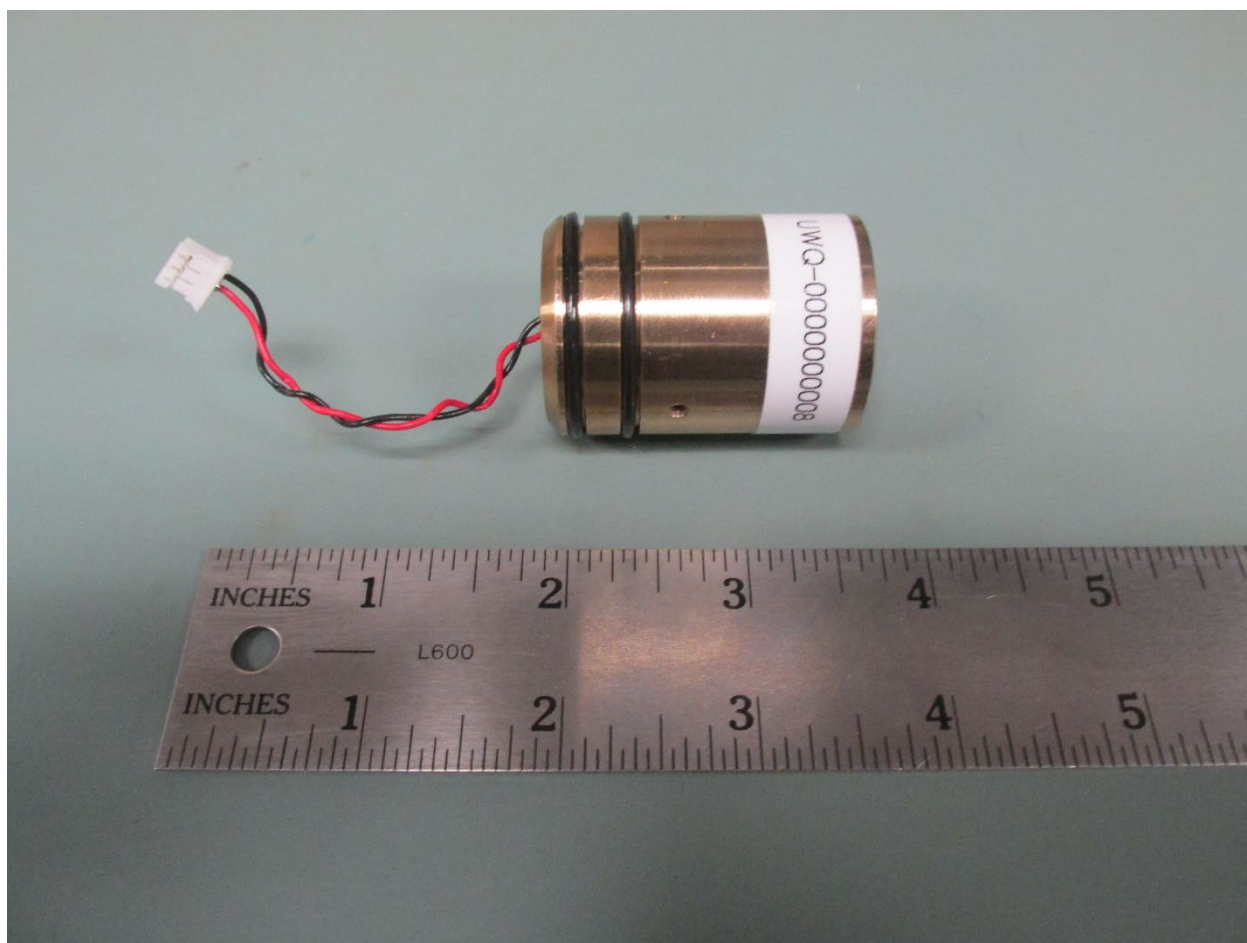
Logger inner assembly, partially slid into the plastic enclosure.



Logger inner assembly, fully slid into the enclosure, clear endcap side.



Logger inner assembly, fully slid into the enclosure, sensor side view.



PAR light sensor assembly 27-29877, side view.



PAR light sensor assembly, front view, also showing where it will slide into the enclosure.



PAR light sensor assembly, slid into the enclosure.



Completed assembly.

Sincerely,

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