

Urban Flood Warning Station

Turn-key solution for a real-time flood warning network



Stand up a network that fits your needs

Manage flood risk proactively in your community with the Urban Flood Warning Station. The complete solution offers all the equipment you need to easily install and maintain a new system while the advanced SUTRON XLink datalogger offers historical data storage, redundancy, and expandability for future network growth. Optional upgrades like a smart weather sensor or camera are available to provide further observations into your site conditions.

TECHNICAL SPECIFICATIONS

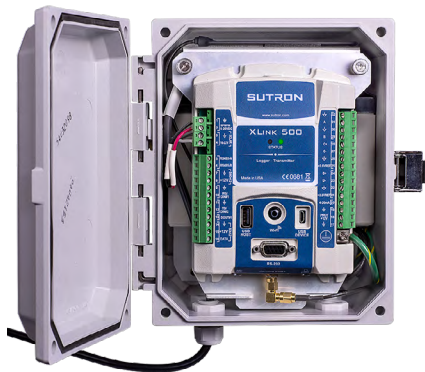
Parameters	water level water temperature
Parameters (optional)	visual imagery precipitation air temperature barometric pressure relative humidity
Power Management	Solar panel and rechargeable battery provide full system autonomy
Communication	Two-way 4G LTE cellular communication with alarming capabilities
Additional Interfaces	SDI-12, RS-485, RS-232, Analog
Temperature Range	-40° F to +158° F
NEMA Enclosure Size	7.3 in x 9.5 in x 5.2 in
NEMA Enclosure IP Rating	IP66

Availability and technical specifications subject to change.

Quickly notify stakeholders of an event

Remote data transmission and alarm notifications directly to stakeholders enable you to take preventative actions to protect citizens and infrastructure from damage. Empower your community by transforming accurate measurements to critical insights for informed decision-making during flood events.

Station Components



Datalogger

The [SUTRON XLink](#) is a multi-sensor input logger with digital, analog, and SDI-12 interfaces along with 4G LTE cellular data transmission. Compatible with the easy-to-use LinkComm UI with any smart phone, tablet or PC.



Water Level Sensor

The [OTT PLS 500](#) vented, pressure transducer provides USGS accurate water level and temperature data. The internal position sensor enables warnings if the sensor is displaced due to in-stream events.



Power Source

A [10 watt solar panel](#) and rechargeable battery continuously power the equipment enabling worry-free operation. The battery backup provides full system autonomy in the event of a solar charging failure for up to 5 days.

Optional Upgrades



Station Camera

A compact camera provides situational awareness and context to your sensor readings with pictures every hour. An excellent addition to any new or existing station with simple datalogger integration.



Radar Level Sensor

The [OTT RLS](#) contactless level solution can replace the water level data from the OTT PLS 500. The sensor is ideal for monitoring where debris or high sediment concentrations may be present.



Tipping Bucket

The [SUTRON Tipping Bucket Rain Gauge](#) is a precision instrument for the measurement of rainfall accumulation and rate. Real-time rain gauge networks can be used to confirm radar forecasts.



Weather Station

The [Lufft WS401](#) is a compact all-in-one smart weather sensor that easily integrates while providing you with meteorological site conditions such as precipitation, air temperature, relative humidity, and air pressure.

Each station comes with the necessary hardware to mount equipment (excluding the OTT PLS 500 and OTT RLS) to a 2" O.D. pipe mast. 2" O.D. pipe mast not included.



Did you know that OTT HydroMet Flood Warning Systems can assist in improving your [Community Rating System \(CRS\)](#) credits?

Contact us for more information.