

- *Simplify field installation*
- *Easily set up weather sensors*
- *Pole & wall mounting solutions*
- *Build custom deployment assemblies*
- *Deter vandals from valuable equipment*

The NexSens **AVSS241608** stainless steel enclosure is ideal for **iSIC** data loggers installed in harsh environments or vandal prone areas. The enclosure is also designed to house an **A03** 26 A-Hr battery for iSIC high power or low sunlight data logging applications. The **AVSS241608** features a unique custom-built triangle lock for added security. Every enclosure is manufactured to include six pre-drilled entry ports for feed-thru or 1/2" conduit fittings, a pre-drilled iSIC data logger mounting plate, two terminal strips, and a triangle key. The **A56** unistrut mounting kit includes the necessary equipment to enable wall, pole, or structure mounting of the enclosure.

The **M-ARM** mounting arm is a custom-built, 3 ft. mounting extension designed for LI-COR photosynthetically active radiation (PAR) and solar radiation sensors. The LI-COR sensor & leveling fixture securely mounts to the custom stainless steel M-ARM bracket. The aluminum unistrut arm includes all required parts for mounting to a 2" pole. The **M-ARM-E** is a similar mechanism for mounting Vaisala and RM Young meteorological sensors to 2" poles. EMT pipe is used for quick and easy weather sensor attachments. NexSens also offers the **WXT510-M** weather transmitter mount as a more compact mounting option for Vaisala WXT520 weather sensors, and WMT52 ultrasonic wind sensors. A 2" NPT female pipe thread allows for quick and easy installation onto any mating pole.

Deployment pipe assemblies, locking caps, and mating fittings are perfect for configuring custom water quality instrument deployments. All components are manufactured from rugged gray schedule 80 PVC to ensure durability and reliability in the harshest field applications. Deployment pipe assemblies feature an integrated threaded male adapter for pipe extensions, 1/2" perforated holes for water flow, and a 1/2" stainless steel stop-bolt to secure a water quality instrument within the pipe. Locking well caps are also available to cover the deployment pipes and secure valuable instruments housed inside.

# Mounting

## contents

### AVSS241608 - Stainless Steel iSIC Data Logger Mounting Enclosure

- (1) Stainless steel Enclosure, fully assembled with grounding connections, 24" x 16" x 8"
- (2) Custom triangle locks, key included
- (4) Plugged entry ports for feed-thru or 1/2" conduit fittings
- (2) Feed-thru fittings with strain relief, liquid tight, 1/2"NPT, pre-installed
- (1) iSIC data logger mounting plate, pre-installed
- (2) Terminal strips, 12 position, pre-installed

### A56 - Unistrut Mounting Kit

- (2) 1-1/2' Stainless steel slotted unistrut channels, 1-5/8" x 13/16"
- (4) Unistrut channel nuts, 3/8"-16 thru

### A55 - Pole, Wall Mounting Kit

- (1) Aluminum mounting plate, 16" x 8" x 1/4"
- (2) 304 Stainless steel U-bolts, 5/16"-18, for use with 2" pipes
- (4) 1/4"-20 x 3/4" Stainless steel screws, flat head machine, for mounting iSIC data loggers

### MAST - Aluminum Mounting Pole

- (1) 2" NPT Aluminum pole, 24" length
- (1) 2" NPT Gray PVC pipe cap
- (1) 2" NPT Aluminum pipe coupling, 2-9/16" length

### M-ARM - Li-Cor Radiation Sensor Mounting Arm

- (1) 3' Aluminum slotted unistrut channel 1-5/8" x 13/16"
- (1) Stainless steel Li-Cor sensor mount
- (1) 304 SS U-bolt, 5/16"-18, for use with 2" pipes

### M-ARM-E - Weather Sensor Mounting Arm

- (1) 3' Aluminum slotted unistrut channel 1-5/8" x 13/16"
- (1) 6" EMT pipe for sensor mounting
- (1) 304 Stainless steel U-bolt, 5/16"-18, for use with 1" pipes
- (1) 304 Stainless steel U-bolt, 5/16"-18, for use with 2" pipes

### WXT510-M - Weather Transmitter Mount

- (1) 2" NPT Gray PVC pole mount base
- (1) 3" Gray PVC mounting arm, 1" diameter

### 912, 914 - Deployment Pipe Assemblies (2", 4" diameter)

- (1) SCH 80 Gray PVC pipe, perforated with 1/2" holes, 24" length
- (1) SCH 80 Gray PVC threaded male adapter
- (1) 1/2"-13 Stainless steel stop bolt with nuts, pre-installed

### 902C, 904C - Locking Well Caps (for 2", 4" diameter PVC pipes)

- (1) SCH 80 Gray PVC locking well cap
- (1) Stainless steel Pin with .312 hole for 1/4" shank

### 902F, 904F - Threaded Female Adapters (for 2", 4" diameter PVC pipes)

- (1) SCH 80 Gray PVC threaded female adapter

### 902M, 904M - Threaded Male Adapters (for 2", 4" diameter PVC pipes)

- (1) SCH 80 Gray PVC threaded male adapter

## parts list

Part #	Description
<b>AVSS241608</b>	Stainless steel enclosure, 24" x 16" x 8"
<b>A56</b>	Unistrut mounting kit
<b>A55</b>	Pole/wall mounting kit
<b>MAST</b>	2" NPT threaded aluminum pipe assembly, 24" length
<b>M-ARM</b>	LI-COR radiation sensor mounting arm, 3 ft
<b>M-ARM-E</b>	Weather sensor mounting arm, 3 ft
<b>WXT510-M</b>	Mounting kit for Vaisala WXT & WMT sensors, internal 2" NPT
<b>912</b>	Deployment pipe assembly, 2", SCH 80 PVC
<b>914</b>	Deployment pipe assembly, 4", SCH 80 PVC
<b>902C</b>	Locking well cap with pin, 2", SCH 80 PVC
<b>904C</b>	Locking well cap with pin, 4", SCH 80 PVC
<b>902M</b>	Threaded male adapter, 2", SCH 80 PVC
<b>904M</b>	Threaded male adapter, 4", SCH 80 PVC
<b>902F</b>	Threaded female adapter, 2", SCH 80 PVC
<b>904F</b>	Threaded female adapter, 4", SCH 80 PVC



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