Mounting

- 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 ½" 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, ½" perforated holes for water flow, and a ½" 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.

NEXSENS
technology

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, ½"NPT, pre-installed
(1) iSIC data logger mounting plate, pre-installed
(2) Terminal strips, 12 position, pre-installed

A56 - Unistrut Mounting Kit

(2) 1-½' 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 ¼"
(2) 304 Stainless steel U-bolts, 5/16"-18, for use with 2" pipes
(4) ¼"-20 x ¾" 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

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

(1) SCH 80 Gray PVC pipe, perforated with ½" holes, 32" length
(1) SCH 80 Gray PVC threaded male adapter
(1) ½"-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 ¼" 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
AVSS241608	Stainless steel enclosure, 24" x 16" x 8"
A56	Unistrut mounting kit
A55	Pole/wall mounting kit
MAST	2" NPT threaded aluminum pipe assembly, 24" length
M-ARM	LI-COR radiation sensor mounting arm, 3 ft
M-ARM-E	Weather sensor mounting arm, 3 ft
WXT510-M	Mounting kit for Vaisala WXT & WMT sensors, internal 2" NPT
912M	Deployment pipe assembly, 2", SCH 80 PVC, 32" length
914M	Deployment pipe assembly, 4", SCH 80 PVC, 32" length
902C	Locking well cap with pin, 2", SCH 80 PVC
904C	Locking well cap with pin, 4", SCH 80 PVC
902M	Threaded male adapter, 2", SCH 80 PVC
904M	Threaded male adapter, 4", SCH 80 PVC
902F	Threaded female adapter, 2", SCH 80 PVC
904F	Threaded female adapter, 4", SCH 80 PVC