

## Vaisala RWS200 Enclosures

Vaisala high-quality weather station enclosures protect weather station electronics from the weather and other damaging elements. Enclosure materials are selected to withstand harsh roadside conditions, where de-icing chemicals constantly try to contaminate the enclosure.

### Robust Design

The enclosures are made of stainless steel and the seams are continuously welded for maximum strength and solidity.

Rubber flanges provide cabling access through the bottom of the enclosure.

The door sealing is water proof.

The backplate to which all electronics are attached is made of stainless steel.

### Additional Shielding

Optional shielding is available for the enclosures. The set contains a cabling box that protects the cabling from vandalism and a radiation shield that protects the enclosure from excessive sunshine and falling material such as ice and tree branches.

Like the enclosure itself, the shielding elements are finished with powder coating.



BOX652 with Radiation Shield and Cabling Box



BOX722 with Radiation Shield and Cabling Box

### Easy Installation

To ease the installation, the enclosures are delivered with a mounting frame. The mounting frame can be used to install the enclosure on a wall or on the backplate of another enclosure. Mounting accessories are also available for installing the enclosure on a thin pole mast, a thick pole mast, or a lattice tower.

The enclosure door has two hinges and a wind lock to keep it open in heavy winds. All installation and maintenance work can be done without the door banging on your shoulder.

### Standard and Slim Models

The BOX652 enclosure fits the entire RWS200 offering while the slim BOX722 has certain limitations. BOX652 can accommodate the additional power supply unit required by the WMT700 sensor with heated transducers and array arms. There is also room for an output socket, residual-current circuit breaker/GFCI, mains terminal strip, and a 26 Ah/12 V backup battery.

### Benefits of RWS200 Enclosures

- Protect weather station electronics
- Acid-proof against de-icing chemicals (stainless steel AISI 316)

# Technical Data

## General

### TEST METHOD STANDARDS

Vibration	IEC 60068-2-6
Rough handling	IEC 60068-2-31
Shock	IEC 6008-2-27
VDA salt testing	VDA 621-415
Ingress protection rating	IP66

### MATERIALS

Enclosure, mounting frame base, cabling box, nuts, washers	Stainless steel AISI 316
Self-clinching screw	Stainless steel AISI 304
Backplate	Fe/Zn
Radiation shield	Aluminum EN AW-5754
Gasket, rubber plugs, flanges	Rubber (EPDM, Ferasil)

## BOX652

### DIMENSIONS (ENCLOSURE ONLY)

Height	600 mm (23.6 in)
Width	500 mm (19.7 in)
Depth	207 mm (8.1 in)

### WEIGHT

Mounting frame	3.6 kg (7.9 lb)
Enclosure	14.2 kg (31.3 lb)
Radiation shield	3.0 kg (6.6 lb)
Cabling box	3.4 kg (7.5 lb)
Backplate (furnished)	~12.8 kg (28.2 lb)

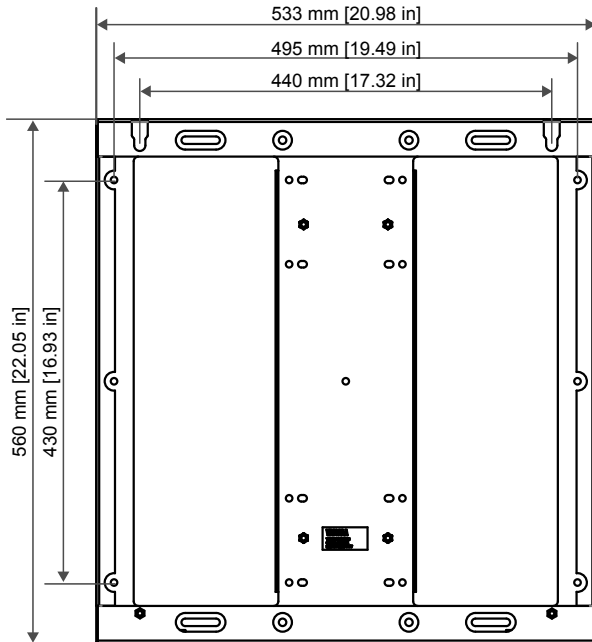
## BOX722

### DIMENSIONS (ENCLOSURE ONLY)

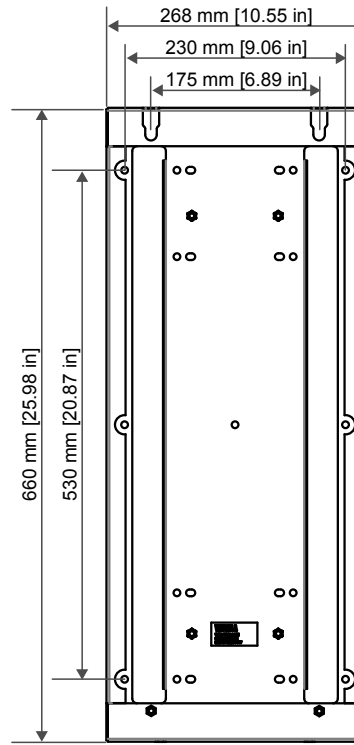
Height	700 mm (27.6 in)
Width	200 mm (7.9 in)
Depth	207 mm (8.1 in)

### WEIGHT

Mounting frame	3.1 kg (6.8 lb)
Enclosure	9.5 kg (20.9 lb)
Radiation shield	3.0 kg (6.6 lb)
Cabling box	1.8 kg (4.0 lb)
Backplate (furnished)	~9.9 kg (21.8 lb)



BOX652 Mounting Frame Dimensions



BOX722 Mounting Frame Dimensions

**VAISALA**

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