



10 Metre Instrument Mast (IS 37 Series)

Features

- Standard 10 metre meteorological height
- Meets Australian Standards for sensor positioning
- Satisfies EPA requirements for sensor positioning
- Certified to 60m/s wind speed
- Light- weight (40 Kg)
- Corrosion-proof aluminium construction
- Stainless steel pivots
- Complete kit supplied
- 1 person installation & service access
- Easily transported (3.2 metre longest length)
- Double braked winch for raising & lowering

Applications

- Meso-scale meteorology
- Air pollution dispersion modelling
- Dust or odour drift measurement
- Meeting EPA licence conditions

Description

The IS37 ten metre mast is designed to be easily transported to site and installed without any special equipment. Most other masts require you to hire a crane, however the IS37 can be installed by one person and without even a ladder.

The IS37 is engineered (certified) to withstand winds of 60m/s (over 200kph) when installed according to our directions.

Once installed the IS37 ten metre mast can be easily tilted down to inspect and/or change instruments. Only one of six guy wires must be released, then the tilt arm is lowered using the double braked winch.



This can be carried out in light to moderate winds.

The stainless steel cable and winch prevent the mast from dropping while raising and lowering. In the upright position the mast can be padlocked into position to prevent unauthorised lowering.

The complete assembly weighs only 40 kilograms, and with the longest piece being only 3.2 metres, can be easily transported .

The mast can be installed in many soil types utilising duckbill anchors. In instances where the soil type is loose or sandy, concrete footings are recommended. A kit for your chosen footing type is included with the IS37 at no extra charge.

Envirodata Weather Stations Pty Ltd

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Spring tensioners minimise the risk of loosening the guys in gusty conditions. Ratchet adjustors make tightening quick and easy. Set-up can be done in 2 hours with two people, or 4 hours for one experienced person, once the guy footings have been prepared.

Specifications

Height:

- 10 metres to centre of wind cups

Static Load capacity:

- 4 Kg

Wind Load capacity:

- 60m/s

Construction materials:

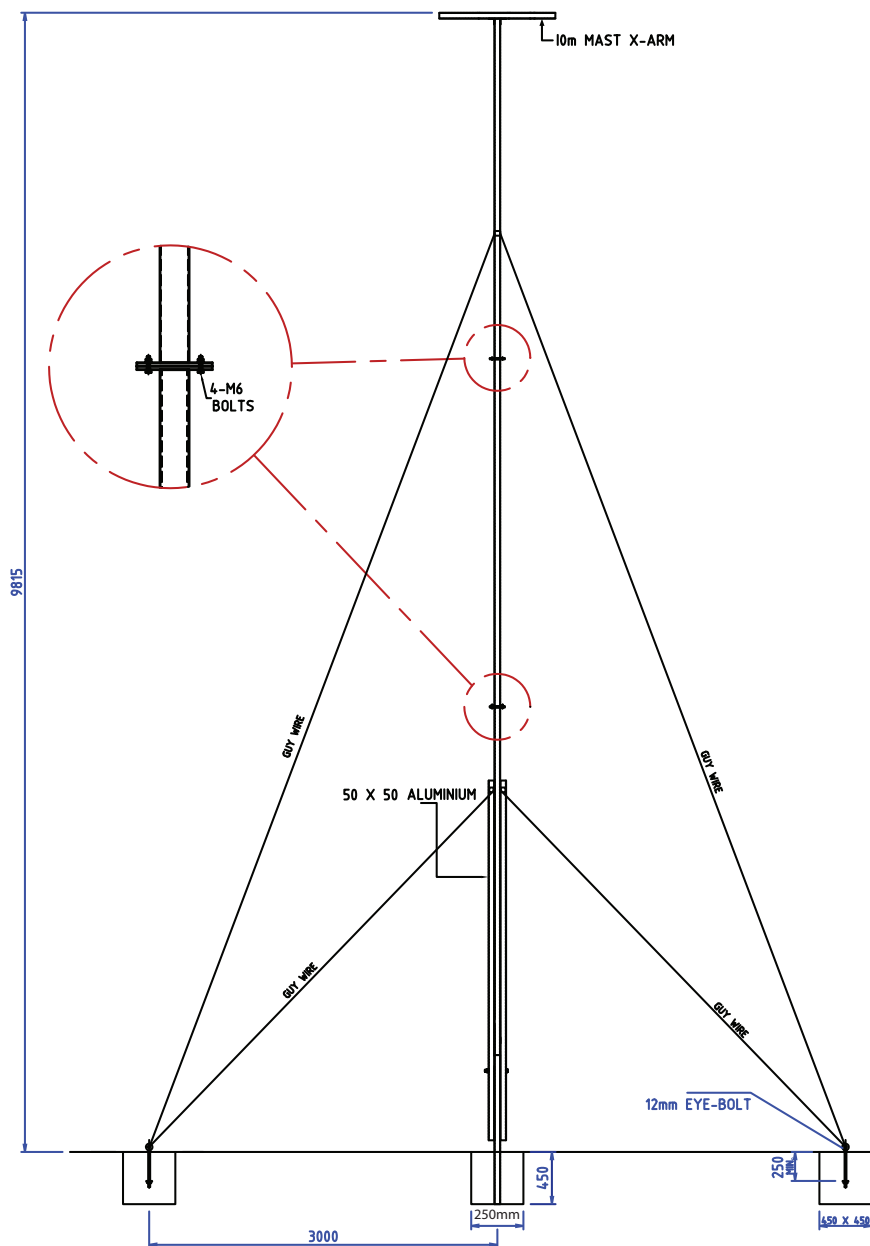
- Poles - Aluminium
- Bolts - Stainless steel
- Guys - Stainless steel

Sensor capacity:

- Envirodata wind speed, wind direction and solar radiation sensors are most common.
- UV & PAR radiation can be added.
- Mounting points are present for all these sensors
- The cross arm has mounting points for an SS11 sensor shelter for a second temperature sensor at 10m, which is becoming a common tool for detecting inversion layers as required by some EPA licences.

Kit includes:

- All poles, bolts, guys, tensioners and springs
- Cross-arm for sensor mounting at 10m
- Double braked winch with brackets & cable



- Footing kit for either concrete footings or duckbill anchors

Ordering Information:

- | | |
|------|---------------------------------|
| IS37 | 10m Mast complete |
| FT37 | Concrete guy footing kit |
| DB37 | Duckbill anchor guy footing kit |

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