

**Pivoting anchor guys tubular wind mast**  
**Robust and easy to handle**

This mast is designed to support wind sensors (anemometer, wind vane, ultrasonic sensor) that should be mounted at 10 m height and to permit an easy sensor maintenance.

It can be equipped with a runway light



**Applications**

It is adapted to synoptic weather stations for airports and harbors...

**Benefits**

- **Easy to handle** : Only two persons needed to lift the mast without any winch cable
- **Easy to install** : With anchor guys and very light anchorage
- **Outstanding stiffness** : double anchor guys systems
- **Long life-span** : noble material
- **Safety equipment** : Cables protected inside the shaft

## Composition

- **The mast shaft:** is made up of 3 tubular sections stacked (Ø 70 mm), light alloy anti-corrosion treated.

*\*in option: red and white painted for airport applications*

- **A mast head** with 3 holes to receive 2 tubular supports for wind sensor, runway light, and lightning point rod.
- **A mast step** with a pivot base to hinge the mast base
- **An anchor guy system** consisting in:
  - Fixations for anchor guys at 6 m and 9 m

*\*in option: TELLURA modular anchorage, stippled metal plates for an easy mounting on various soil types (except rock and sand)*

*\*in option: Lightning-protection system with*

- Lightning rod
- A flat-braided coppered wire (12 m length and Ø 10 mm<sup>2</sup>)
- 3 coppered earth rods

Notification: the structure metallic parts should be connected to the earth spot shared by all the automatic weather station equipment.

*\* in option: A class runway lightning according to ACIO annex 14, with twilight switch*

## Technical characteristics

Characteristics	Value
Total height	9 m, for sensors layout at 10 m
Weight	12 kg, without lightning protection system
Material	Light alloy anti-corrosion treated
Tubular section	Ø 70 mm

## Implementation and maintenance

- Thanks to the modular anchorage system (in option) for the mast and the anchor guys, the setting up can be done without civil works.
- Easy maintenance because of the pivoting mast shaft



*Installation examples*