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
**CEF210 Tubular wind mast**

**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 mm²)
  - 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
CEF210  Tubular wind mast

Technical characteristics

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total height</td>
<td>9 m, for sensors layout at 10 m</td>
</tr>
<tr>
<td>Weight</td>
<td>12 kg, without lightning protection system</td>
</tr>
<tr>
<td>Material</td>
<td>Light alloy anti-corrosion treated</td>
</tr>
<tr>
<td>Tubular section</td>
<td>Ø 70 mm</td>
</tr>
</tbody>
</table>

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