

## Wind Direction Indicator, illuminated (IWC)

For indication of wind direction and approximate wind speed

The illuminated Wind Direction Indicator IWC indicates the wind direction and approximate wind speed at airports and heliports.

The IWC is equipped with an obstruction light, windsock lights and a tilting device. The tilting device facilitates necessary maintenance works like for example the exchange of the windsock.

The height of the IWC is available from 3.50 m to 5.50 m. Other heights are available on request.

### The windsock is available in the following sizes (in accordance with ICAO):

- Length 1.80 m; diameter 0.30 m
- Length 2.50 m; diameter 0.40 m
- Length 3.50 m; diameter 0.65 m

### Mounting solutions:

The IWC can be installed at surface level and elevated heliports. Several mounting solutions are available. The illuminated wind direction indicator can be mounted at a ground foundation, at a holding device for flat roofs or a wall holder.

### Tilting device:

For maintenance works the Wind Direction Indicator is equipped with a tilting device and a cable winch. This tilting device guarantees an easy handling of the IWC.

The IWC can be equipped with a tilting device either in a height of approx. 170 cm or with a breakover point at the bottom. Also possible is the installation with a simple wall holder at vertical walls without a tilting device.



### Parts of the IWC:

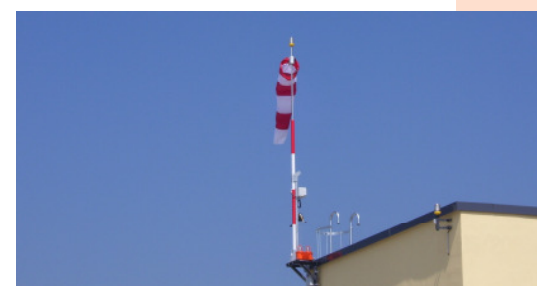
- Tilting device, zinc-plated steel, powder-coated, for installation at foundation or wall holder
- Main tube, zinc-plated steel, powder-coated red. Mounted inside of holding device
- Middle tube, zinc-plated steel, powder-coated white. Slidably mounted in the main tube
- Upper tube, zinc-plated steel, powder-coated red. Slidably mounted in the middle tube. Including turning device with stainless steel bearings
- Basket in different sizes, installed at the turning device
- Obstruction light, 60 W, 230 V (optionally as double unit)
- Halogen headlights, 230 V, 150 W, R7s (74,9 mm) each, for illumination of the wind sock
- Junction box can optionally be equipped with function for sending a fault message or an status message via dry contact

### Technical Data:

- |                            |   |
|----------------------------|---|
| ■ Input voltage            | 230 VAC (other voltages on request)   |
| ■ Power Consumption        | max. 510 W (depending on configuration)   |
| ■ Light source             | Obstruction light LED or signal lamp E27<br>Wind sock lights Halogen lamp R7s (74,9 mm) |
| ■ Light intensity          | Obstruction light min. 10 cd  |
| ■ Total height             | 3.50 m – 5.50 m selectable  |
| ■ Weight                   | 50 - 90 kg (depending on configuration)   |
| ■ Wind resistance capacity | 140 km/h  |

### In accordance with the following recommendations:

- ICAO Annex 14 Vol. I
- ICAO Annex 14 Vol. II Ch.5.1.1.
- Heliport manual



All specifications are subject to change without notice.

# Wind Direction Indicator WDI, Non illuminated (WDI)

For indication of wind direction and approximate wind speed

The Wind Direction Indicator WDI indicates the wind direction and approximate wind speed.

#### Technical Data:

- Total height: 5.50 m
- Length of windsock: 2.50 m
- Diameter of windsock: 0.40 m
- Tilting point: at bottom, about 100 mm above base plate

#### Mounting:

The Wind Direction Indicator can be mounted at a ground foundation or on supports. For details see the mounting instruction. On request different mounting solutions are available.

#### Tilting device:

For maintenance works the wind cone is equipped with a tilting device. This tilting device guarantees an easy handling of the wind cone.

#### Elements of the WDI:

Tube for Wind Direction Indicator:

- Material: stainless steel V2A
- Length: 5.00 m
- Diameter x thickness: Ø 60.3 x 2.0 mm
- Incl. screwings for windsock basket

Windsock basket:

- Diameter: 0.40 mm
- Material: stainless steel V2A
- With swivel bearing for inserting and screwing into the tube

Windsock:

- Length: 2.50 m
- Colour: alternately red/white/red
- Mounting: windsock with lugs for fixture by provided cord and additional cable clips
- Material: polyamide textile with polyurethane coating; impregnated

Supporting stand with tilting device:

- Length: 1.50 m
- Construction: two sectional steel parts equipped with two gusset plates
- Dimensions base plate: 300 x 300 x 12.0 mm
- Drills in base plate: 4 drills, Ø 24 mm, hole size: 240 x 240 mm
- Tilting point: at the bottom of supporting stand, approx. 100 mm above base plate
- Material: steel, hot-dip galvanized N

