

METEOROLOGY

RECORDING RAIN-GAUGE WITH TIPPING BUCKET ref.2340

MODEL 3025UP INOX



1.Principe

Device for measuring the heights of rainfall collected on the ground (1m height).

Identical to the Model 3020 but simplified to facilitate wider dissemination.

One possibility of recording on a small cylinder model, and direct transmission from the bucket came at the free system of gears.

This instrument is designed to be used in weather stations manual and on-site construction.

The flexibility of moving this pluviographe allows for a quick implementation on the ground reached.

2. Technical Specifications

- Resolution 0.5 mm per pulse
- •Accuracy ± 1% à 60mm/h
- ± 4% à 200mm/h
- Bucket 20g
- •Cone of receipt of 400 cm²
- Material: INOX platinum / buckets black ABS / cabinet army polyester resin fiberglass / foot steel lacquered.
- Height: 100 cm up white lacquered steel 730 mm planting
- Dimensions: 100 x 36 cm
 Mass without foot: 6.3 kg
 Mass with foot steel: 9.5 kg
 Mass with foot INOX: 11.5 kg
- •Nominal diameter of the ring: 225.7 mm □□
- •Foot white lacquered steel: 3.2 kg (h = 730 mm)
- •Foot to seal INOX: 5.2 kg (h = 550 mm))



- •Foot INOX
- Recorder electronic rainfall
- Contact crossing
- Anti-bird perch
- •Cylinder recording daily or weekly







- The measurement of wind speed
- Good resistance to gusts
- Transmission distance
- Good resistance to salt spray

Generalities

This allows omni anemometer to measure distance the current wind speed.

The signal from the sensor is an AC voltage with a frequency and level are functions of the wind speed. It may be connected with one or more indicators and a tape recorder, or an electronic transmitter for transmission over long distances.

This anemometer is particularly used for the equipment of weather stations, airports, port facilities, solar stations, hoists public works such quegrues, gates ..., in the installations of the Merchant Navy or militiare. His threshold boot particularly low, it could be used also in the micro-stations to combat pollution. Toutes the elements of the device are designed for prolonged use weather and the reel is approved by the French National Weather Service.

Specifications

Measurement range: 0,5 m/s à 60 m/ Startup Threshold : 0,5 m/s

Speed windmilling at 60 m/s : 3600 tr/mn Output voltage : 0,12 V eff. à 1 m/s

1,87 V eff. à 60 m/s

Nonlinear depending on the wind speed for use on direct indicator or register.

Frequency of the output signal: 1,5 Hz (0,5 m/s) à 180 Hz (60 m/s) For use on transmitter.

Overall accuracy of the frequency depending on the speed better than + 1%

Ambient temperature operating limits : - 30°C à + 70°C



OTHER MODELS

TO CONSULT US

METEOROLOGY





WIND SENSOR 6262

Continuous measurement distance of wind speed:

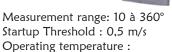
Measurement range: 0,5 à 60 m/s Startup Threshold: 0,5 m/s Operating temperature: -30°C à +70°C



WEATHER VANE

Continuous measurement distance of the wind direction:

-30°C à +70°C





HRT 2121



Measure the temperature and humidity of the ambient air. This sensor must be fitted in a shelter to carry out measures representative Temperature

Measurement range: PT100 direct



TEMPERATURE SENSOR

Measure the temperature of ambient air. This sensor must be fitted in enclosed to make a measurement représentative..

Measurement range: -30° C à + 50° C



METEO SHELTER

Sub together to receive and protect the temperature sensor in the air as well as from the elements HRT2121 weather (rain, wind, sun...).



The signals obtained can be transmitted to receptors (indicators or recorders), or any other system (GTC, GTB ...). The TMU can also make an integration of wind parameters (speed and direction) over a period of time . $\Box \Box$

Entry numbers: 2, 3 or 4

Types of entries: counting or analog

Output: Analog

Protection index IP43-



BAROMETER

This sensor measures changes in air pressure and send them to receivers either directly

or through the transmitter. Measurement range: 950 à 1050 hPa



SOLARMETER

This sensor measures the overall intensity of solar radiation on the ground Sensitivity vacuum: 10 µV/W/m2



RAIN GAUGE

The rain gauge to measure the distance annual rainfall. His coneshaped guide water into buckets which switched once filled by emitting a signal.

TEMPERATURE SENSOR



These sensors can measure the soil temperature. Measurement range: -30°C à +70°C Measurement range: -10°C à +40°C



MAXICLAR

Indicator of speed and wind direction instant



RECORDER 4101

Record: Continuous Recording media: strip of paper

Number of Channels: 6 Max recorder



DIOLUX

Indicator speed or wind direction. To speed it can be equipped with 1 or 2 alarm thresholds.



INDICATION OF STATION AND RECORDING

Equipment able to centralize and record the various parameters of a weather