

## RECORDING RAIN-GAUGE WITH TIPPING BUCKET réf.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  $\pm 1\%$  à 60mm/h
- $\pm 4\%$  à 200mm/h
- Bucket 20g
- Cone of receipt of 400 cm<sup>2</sup>
- 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))

FOR ALL  
OTHER MODELS  
TO CONSULT US

### 3. Options

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

## WIND SENSOR réf.2341



- 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 militaire. 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  $\pm 1\%$

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

FOR ALL  
OTHER MODELS  
TO CONSULT US

## 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



## SENSORS SUPPORT FOR WIND AND WEATHER SHELTER



## WEATHER VANE

Continuous measurement  
distance of the  
wind direction:

Measurement range: 10 à 360°  
Startup Threshold : 0,5 m/s  
Operating temperature :  
-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

## 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...).

## T.M.U METEOROLOGICAL TRANSMITTER

The T.M.U can treat and convert signals  
from the various sensors in this bulletin.  
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 . □□

Entry numbers: 2, 3 or 4  
Types of entries: counting or analog  
Output: Analog  
Protection index IP43-



## TEMPERATURE SENSOR

Measure the temperature of  
ambient air. This sensor must  
be fitted in enclosed to make  
a measurement representative..  
Measurement range: -30°C à + 50°C



## 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



## DIOLUX

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



## RECORDER 4101

Record: Continuous  
Recording media:  
strip of paper

Number of Channels: 6 Max recorder

## INDICATION OF STATION AND RECORDING

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

