

## PROFESSIONAL RAIN GAUGE MODEL : 46788

The professional rain gauge records in a very exact way, quantity, time and duration of the atmospheric precipitations. The rain collector should be mounted onto a pole at no more than 1.5 meters/5 feet above ground and shielded from strong winds. The rain is collected in the funnel and runs through a filter down in a spoon (a specially designed tipping spoon) which is held by a magnet

The world patented self-emptying tipping spoon tips automatically and empties out when it fills with a preset amount of water.



### Features:

- Data-logger memory capacity : 8.000 events.
- Event resolution : 0,5 seconds.
- Minimum duration event : 20 microseconds.
- Reading and Restart in field through Shuttle HOB0 optional.
- Time and date Start data-logger programmable by the computer.
- Memory modality: stop at the end of capacity, rewinding at the end of capacity
- Memory EEPROM not volatile for maintaining the data even if in case of damage of battery
- LED lightning inside the cover in confirmation of the functioning
- Duration battery : 1 year / substitutable by the user
- Checking level battery at start
- Temperature exercise (logger) : from 20°C to +70°C
- Field relative humidity : from 0 to 95%, without condensation
- Accuracy watch : ± 1 minute a week at +20°C
- Dimensions / weight : 108x89x44 mm / 94 gr about
- Cover : weather-resistant protection

## **INSTALLATION**

**The instrument has to be installed 1.50m high in a completely open space.**

**It is important to check that the instrument is perfectly levelled (bubble mounted on the base).**

**The instrument is supplied already mounted on a inox steel tube that will be drowned for about 40cm. into a container full of cement and positioned in the soil 50cm. deep.**

## **CHARACTERISTICS MEASUREMENT PRECIPITATIONS**

**Easy connection with the 2 cables exits or with the 2 screws terminals of the collecting system.**

**Compact and weather-resistant cover mounted inside a box IP55 suitable for being exposed to sunbeams.**

**Capacity of 800 overturns till 200cm. of rain water in the interval of reading through collecting systems with tube that overturns of 0,2mm.**

**Resolution settable by the user according to the kind of the rain-gauge.**

**Time of block settable in order to suspend the recording during the tub oscillation**