

RAIN-O-MATIC®

METEOROLOGICAL RAIN GAUGE - STAINLESS STEEL - For rough environments



- ⇒ 200 cm² orifice (159,6 mm diameter)
- ⇒ Resolution: 0,2 mm, 0,25 mm or 0,5 mm
- ⇒ Tipping bucket system with magnet
- ⇒ Big splash room
- ⇒ Topring with 60 degrees angle

THE PERFECT PRODUCT FOR:

- Meteorological stations
- Education / Universities
- Waterworks
- Hydro electric power stations
- Highway authorities
- Foresters
- Purifying plants for sewage
- Pumping stations

- ⇒ Electronic LCD counter with 5 digits can be supplied. The LCD counter accumulates automatically the precipitation and can be reset manually if required. Supplied with standard 10 meters of cord.
- ⇒ Waterproof box for the LCD counter is available.
- ⇒ Pylon, stabilizing cross and earth spear to be supplied as illustrated. Stabilizing cross and earth spear measure 63 cm. Tube length between collector and stabilizing cross as per request.
- ⇒ The rain collector is placed on the pylon or fastened in another way.
- ⇒ The rain is collected in a funnel and runs through a filter down into a spoon (a special designed tipping spoon) which is held by a magnet.
- ⇒ A rubber tube is mounted, so the rain can be measured in a laboratory glass for control.

METEOROLOGICAL RAIN GAUGE - STAINLESS STEEL

The patented self-emptying tipping bucket system in the rain collector is unique, and places the meteorological rain gauge among one of the most accurate rain collectors. The measuring spoon is tipping automatically and is emptied by registration of a preset amount of water.

RAIN-O-MATIC METEOROLOGICAL is selfemptying and consequently secured against frost. The rain gauge is very precise and has for instance an intensity of 3mm/0,12 inch per minute at a calibration of 0,25 mm or 1/100 inch.

RAIN-O-MATIC METEOROLOGICAL is reliable and stable. A re-calibration can be done by an adjusting screw.

Official test reports, diagrammes of intensity and technical description are available.

Patent no. UM-27598, AU Pat. 565951, EPO Pat. 0104212, US PAT. 4.644.786, CA PAT. 1246181, Japan Pat. 501208/83, Taiwan Reg. 74-201292 - owned by PRONAMIC Co., Ltd. Denmark.

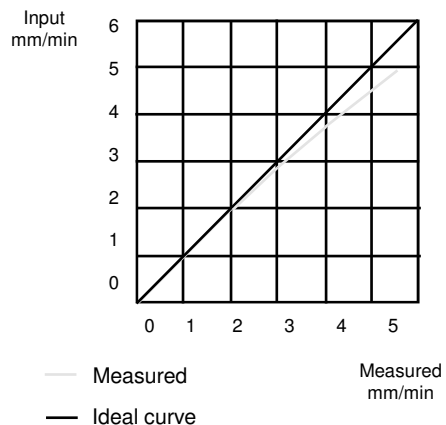
Printed Circuit Board with 2 reed switches (1 pc. is Normally Closed and 1 pc. is Normally Open), with 2 connections for LCD counter and for connection to data-logger/computer.

Material:

The rain collector is produced of the material STYROSUN, which has passed the Arizona test. STYROSUN is a very resistant material to the UV radiation of the sun, just as it is frost and heat resistant. It is resistable to all climatic conditions. The electronic printed circuit board is protected against extreme weather conditions, including salt water.

	Millimeter version	American version
Resolution	0,20 mm 0,25 mm 0,50 mm	1/100 inch
Capacity per minute 12 tippings:	0,20 mm: 2,4 mm 0,25 mm: 3,0 mm 0,50 mm: 6,0 mm	0,12 inch
Orifice:	200 cm ²	31 sq. inch
Splash room height incl. bottom:	290 mm	11,4 inch
Total height:	382 mm	15,0 inch
Weight excl pylon, stabilizing cross and earth spear:	1300 g	45,9 oz

Intensity-curve with
0,2 mm / impulse



Ørstedvej 4
DK-8600 Silkeborg
DENMARK

Phone: +45 86 80 58 66
Fax: +45 86 80 58 67
E-mail: mail@pronamic.com
Homepage: http://www.pronamic.com