

NEW

AEPG II 1200

ALL ENVIRONMENT PRECIPITATION GAUGE

ALL ENVIRONMENT OPERATION:

- -55° to +135° F (-48° to +55° C) Operation Range
- Non-stick coated collection orifice
- Optional event controlled low power inlet heater
- Optional Belfort wind shield

HIGH RELIABILITY:

- 3 Independent transducers provide redundant measurement (auto compensates for transducer failure)
- On-board processor compensates for temperature and environmental anomalies
- No moving parts
- No input restrictions
- Digital RS-232/485 output with programmable format
- Optional SDI 12 output

MEETS TOUGH INTERNATIONAL GOVERNMENT REQUIREMENTS:

- High Accuracy: +/- 0.01 inches (0.2 mm) or 0.1% FS
- High Resolution: +/- 0.001 inches (0.01 mm)
- 15.958 cm inlet diameter
- (200 cm² area) collection orifice (WMO Standard)
- Precipitation Rate: 0.01 in (0.15 mm)/hr. to 120 in. (300 cm)/hr.
- Capacity: 48" (1200 mm)

EASY TO INSTALL AND MAINTAIN:

- 2 inch ID ANSI Schedule 40 Steel Pipe Mount with 3 screw level adjustment
- LED fault isolation display
- Programmable digital output to display and monitor performance variables

Belfort's years of experience in precipitation measurement is behind the development of this highly accurate, state of the art, all weather precipitation gauge. By combining proven mechanical design with no moving parts with the latest in electronic sensor technology, the AEPG II series of sensors makes it possible to measure all types of precipitation in all weather conditions without human intervention and costly maintenance. By using the latest available technology and manufacturing techniques Belfort is able to offer this latest precipitation product at a fraction of the cost of older mechanical designs.

*Model AEPG II
1200*



The All Environment Precipitation Gauge II collects precipitation through a 200 cm² (WMO standard) orifice. Precipitation falls into a bucket which is supported by three precision sensors that weigh the precipitation amount independently and transmits the weight data to a central processing unit, compares each set of data and calculates the amount of precipitation. It converts this measurement RS-232/485 ASCII data stream to a recording device of customer selection. The precipitation can also be indicated via a relay tipping bucket output.

**THE STANDARD
OF MEASUREMENT**

BELFORT INSTRUMENT
www.belfortinstrument.com

ALL ENVIRONMENT PRECIPITATION GAUGE

Model AEPG II 1200

SPECIFICATIONS

Capacity	AEPG II 1200 48 inch (1220 mm)
Collection Area	200 cm ² (16 cm diam.)
Precipitation Rate	Range 0.01 in. (0.01 mm)/hour to 300 cm/hour
Resolution	0.001 in. (0.01 mm)
Repeatability	+/- 0.01 in. (0.2 mm)
Accuracy	+/- 0.01 in. (0.2 mm) or 0.1% FS
Output	Programmable Serial Digital RS232/485 or Tipping Bucket Relay, Optional SDI12
Power Requirements	8-18 volts DC, (2.0 Watts/180 ma. Nominal) with optional heaters (Activated by precipitation event) 12 volts DC @ 30/60/90 watts
Operating Temperature:	-55° to +135° F (-48° to +55° C)
Storage Temperature:	-85° to +300° F (-65° to +150° C)
Construction	Aluminum with high impact UV resistant thermal plastic insulating cover
Weight	28.5 lbs (13 kg)



Consider a Belfort single or double Alter Shield, the perfect compliment to your All Environment Precipitation Gauge

STANDARD FEATURES

- Non-Stick coated collection orifice
- 0.001 inch (0.02 mm) resolution RS232/485 output
- Standard 2 inch ID ANSI Schedule 40 pipe mount

OPTIONS

- 24 inch (609 mm) or 40 inch (1016 mm) capacity
- Heated collection orifice (recommended for wet snow or freezing precipitation collection)
- AC powered
- Single or double Belfort Alter Shield
- Wireless internet connectivity and thumb drive
- Date/time stamped storage capability
- SDI-12 output



Rugged construction inside and out!



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