TruMet

PW100

&

MaxiMet®

GMX603

Product Launch Information Pack [EXTERNAL]

Revision 01
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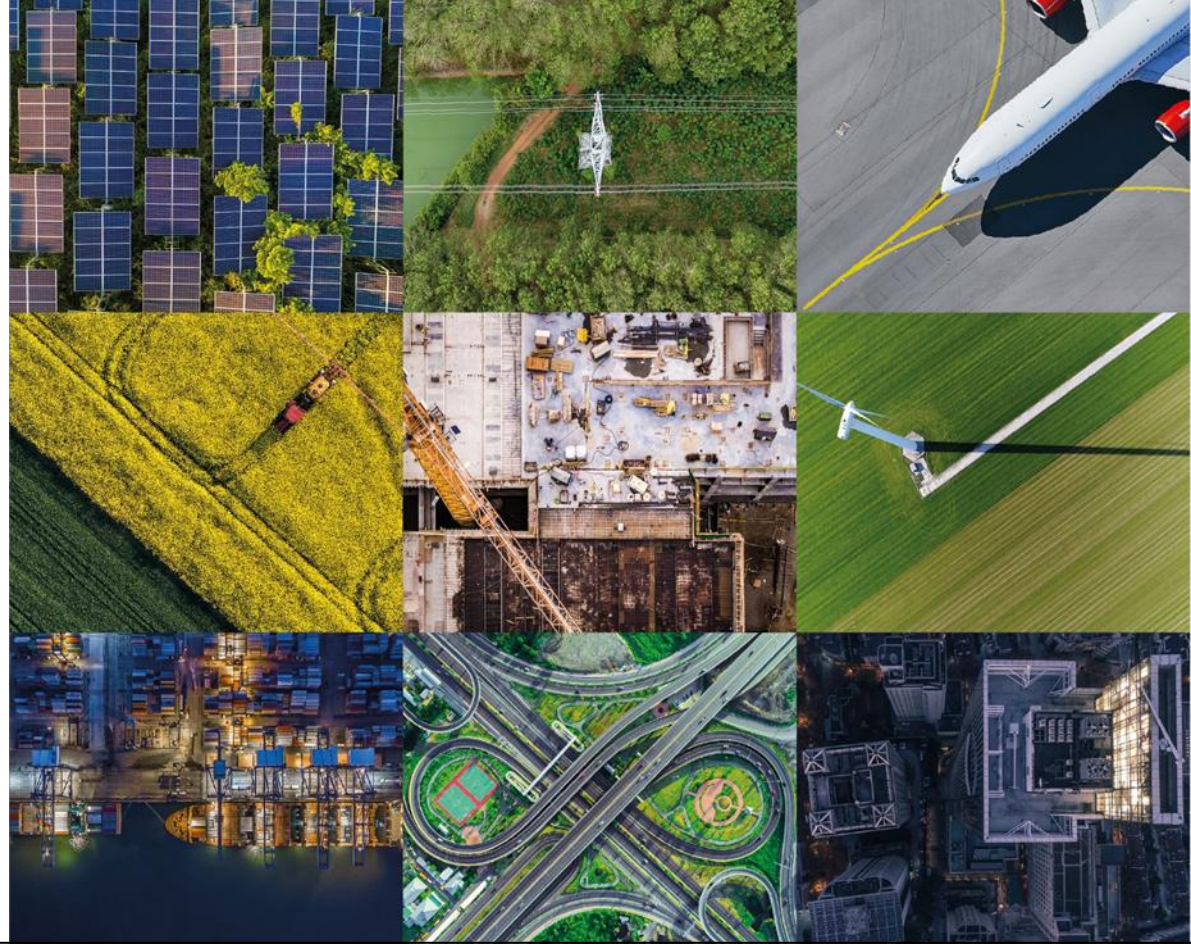

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Introduction

The following is an information pack for the **TruMet PW100 and MaxiMet GMX603**.

It is for EXTERNAL use and may be shared with customers/distributors without prior approval.

Target audience: End users, Distributors, Integrators

Purpose of this document:

- To provide an understanding of the new optical precipitation technology.
- To provide an overview of the product options and accessories.
- To act as a quick reference document for technical specifications and give guidelines on handling/servicing.

Two New Product Launches!

TruMet PW100 – Rain Gauge

Stand Alone Rain Gauge, perfect as a tipping bucket replacement.

- Accurately measures liquid precipitation
- Easily replaces tipping buckets in the field
  - Identical output – Pulse (switch closure)
  - Only need to supply minimal power
- No moving parts = low maintenance and few points of failure

MaxiMet GMX603 – Compact Weather Station

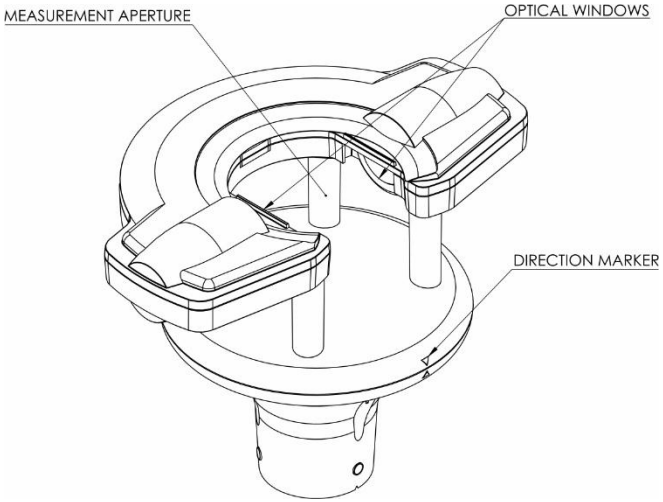
Professional, full compact weather station

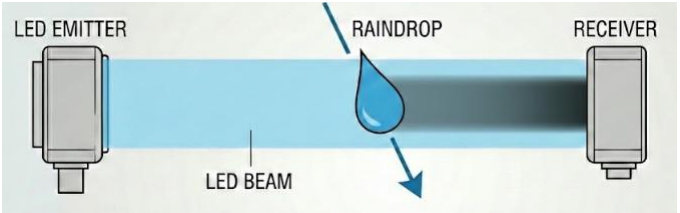
- Trusted MaxiMet platform with improved liquid precipitation technology
- Includes other important meteorological parameters in one easy to use device
  - Temperature, Humidity, Pressure, Wind Speed/Direction
  - Additional calculated parameters
- Options with GPS and/or Heating available

Specifications		
Accuracy	≤ 5%	• In line with tipping bucket rain gauges • Superior to other solid-state technologies • Liquid precipitation only
Tip Size	0.1 mm	• High resolution
Measurement Surface Area	66 x 20 mm	• Area of light that can measure rain
Intensity Range	0 to 200mm/hr	• Intensity range of normal operations

How it works…

- A near-IR light beam is transmitted across the unit from an emitter
    - Nonvisible light
- The receiver measures the intensity of light received
- As rain drops fall through the beam the intensity of light received is reduced
    - Size of rain drop: Corresponds to reduction in light intensity
    - Speed of rain drop: Corresponds to the duration of intensity loss
- Disruptions in the light that do not correspond to the size/speed of a free-falling raindrop are omitted from calculations
- Adding up sizes of raindrops over a known area allows the unit to calculate the accumulation of rain
- Temporarily closes a switch (mimicking a tipping bucket) for a logger to measure rainfall

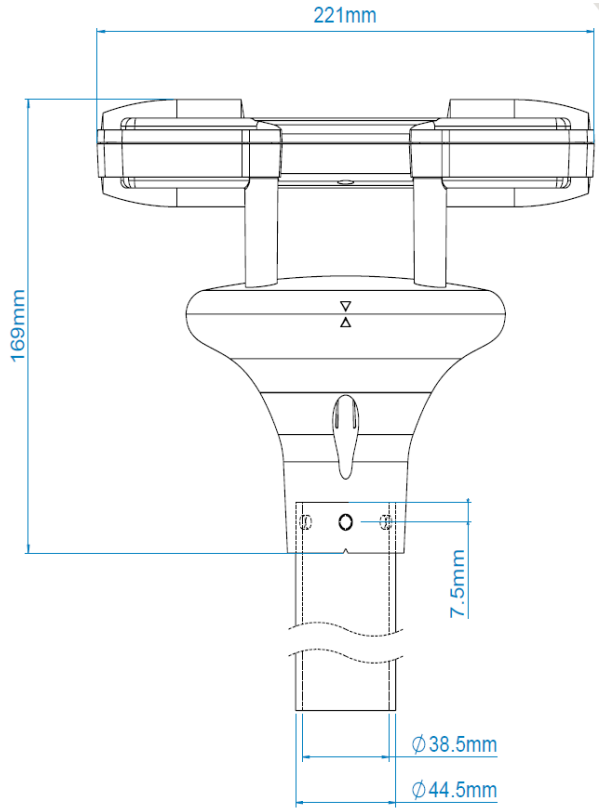




Why should you prefer the TruMet technology?

- Zero moving parts - No mechanical wear, no drift
- No clogging - no funnels, no collection chambers
- Accurate across the full rainfall spectrum - From drizzle to high-intensity events
- True maintenance savings - Operational cost reduction across regional networks
- Rapid deployment - Lightweight, compact, easy to install
- Consistent long-term performance - Designed for long life reliability
- Lower lifetime cost vs tipping buckets - Fewer callouts, fewer replacements

TruMet PW100 Tech Specs & Dimensions



Measurement	
Measurement Type	Optical
Accuracy	≤ 5%
Tip Size	0.1 mm
Measurement Surface Area	66 x 20 mm
Intensity Range	0 to 200 mm/hr
Precipitation Types	Liquid Precipitation

Outputs	
Pulse	Tip = 0.1 mm
Switch Closure Duration	10 ms

Power Supply	
Input Voltage	5-50VDC
Average Current consumption @12VDC	0.1 mm

Mechanical	
Construction	UV Stabalised Thermoplactic
Fittings	Fit to 44.45mm (1.75in) pole or mast
Weight	0.65kg
Connector Type	8-way M12 connector

Mechanical	
Protection Class	IP66
Operating Temp	-35C to +70C
Measurement Temp	0C to +70C (Liquid)
Storage Temp	-40C to +70C

Thank you

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PW100 Images

GMX603 Images