PRODUCT DATASHEET
Supplier-provided technical data

Stainless Steel Tipping Bucket Rain Gauge



Supplier: NiuBoL
Manufacturer model: NBL-W-RS
Archive SKU: NBL-W-RS
Price, availability, delivery and warranty: confirmed by quotation.

Stainless Steel Tipping Bucket Rain Gauge supplied by NiuBoL. Select the required configuration and request a quotation for price and availability.

Select the required configuration for your intended monitoring task. Supplier-stated ranges and performance figures are reproduced below. Source differences require confirmation of the supplied version; no retail price, stock, warranty duration or delivery commitment is inferred.

Source documents

2026 Product Quotations from NiuBoL-Michelle.pdf — PDF page(s) 4.

Weather Stations and Agriculture Sensors Catalog-NiuBoL.pdf — PDF page(s) 8.

Supplier technical description

Technical specifications and configuration — supplier wording

Drum diameter: Φ200±0.6mm
Measuring range: 0-4mm/min (precipitation intensity)
Resolution: 0.2mm (6.28ml)
Accuracy: ±4% (indoor static test, rain intensity is 2mm/min)
Power:DC 5V/DC 12-24V
Output: Reed switch on/off /RS485;
Instrument cable length: 5 meters
Working temperature: 0~50 °C
Storage temperature: -40 ~80 °C °C

Catalogue page 8 — technical data

Parameter	Supplier-stated value / source wording
Water bearing diameter	Φ200 ± 0.6mm, outer edge angle 45 degrees
Measuring range	≤4mm/min (precipitation intensity)
Resolution	0.2mm (6.28ml)
Accuracy	±4% (indoor static test, rain intensity is 2mm/min)
Output signals	Switching signal: reed switch on/off □ RS485 □ 0~2.5V □ 0~5V
Operating temperature	0~50°C
Storage temperature	-40°C~80°C
Product weight	Bucket weight 1700 g, total weight 3300 g
Power supply method	□DC5V □DC12-24V

Catalogue page 8 — selection / wiring table

Parameter	Supplier-stated value / source wording
Model	P | ower supply | output met | hod | Description
NBL-W-RS	Rain sensor (transmitter)
Supplier statement	12V-24V
NBL-W-RS — S	Switching signal output
NBL-W-RS — V1	0-2.5V
NBL-W-RS — V2	0-5V
NBL-W-RS — RS	Rs485
NBL-W-RS — X	Others
Supplier statement	For example: NBL-W-RS-12V-S: Rain sensor 12V power supply, switch signal output