

Hydrological Current Meters

Use Gurley Precision Instruments Type AA Current Meters for fast, precise hydrological velocity measurements in conduits, streams or large bodies of water.



The same durable, reliable design in self-contained models for any application :

- ▶ Price or pygmy type meters according to stream depth and velocity
- ▶ Economical headphone models or digital models for greater speed and accuracy.
- ▶ Cable or rod-suspended units depending on access to the flow.

In all models a six-bucket wheel spins horizontally in the current. Rotation of the chrome-plated brass bucket wheel registers as audible clicks in the headphones or as pulses to the digital flow indicator.



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Price Meters

Available on headphone(model 622) or digital(model D622) styles, the price Type AA meters offer fast accurate measurements for all but the lowest flows.

In the digital model a slotted between a light-emitting diode and a photo-receptor. The pulses produced when the slot aligns with the LED and phototransistor are routed to the digital flow indicator, which converts them to a direct digital readout of stream velocity.

This type can be suspended from bridge or boat using the suspension cable outfit with a lead weight ; or it can be mounted on a wading rod for measurements in shallow streams, ditches, conduits or wastewater systems.



Price Meter(Model 622)

Pygmy Meters

The compact design of pygmy meters -the bucket wheel is just 3/4 inch high by 2 inches in diameter - allows measurement of shallower and lower velocity flows. The pygmy meter provides reliable measurements of flows down to 0.05 feet per second at depths as shallow as 3 inches. Except for the absence of a five revolution click, these models operate identically to the larger Price type meters in both headphone and digital models.

Pygmy meters are designed for rod suspension only.



Pygmy Meter (Model d625)
Digital style

Specifications

| | Price Meter Model 622 | Pygmy Meter Model 625 |
|-------------------------------|------------------------------|----------------------------------|
| Accuracy | ± 2% | ± 2% |
| Operating range | 0.2 ~ 25 fps 0.06~7.6 mps | 0.05 ~ 3.0 fps 0.02 ~ 0.9 mps |
| Minimum depth required | | |
| - Cable suspended | 18 inches (45cm) | Not applicable |
| - Rod suspended | 6 inches (15cm) | 3 inches (7cm) |
| Dimensions | | |
| - Bucket open end diam. | 2.0 inches (5cm) | 0.78 inches (2cm) |
| - Bucket wheel diameter | 5 inches (12.7cm) | 2 inches (5cm) |
| - Total length with tailpiece | 15 inches (38cm) | 3.75 inches (9.5cm) |
| - Height | 4.7 inches (12cm) | 2.25 inches (5.7cm) |



Gurley
Precision Instruments

514 FULTON STREET P.O. BOX TROY, NY 12181-0088

TEL (518) 272-6300 FAX (518) 274-0336

(800) 759-1844 IN THE UNITED STATES & CANADA