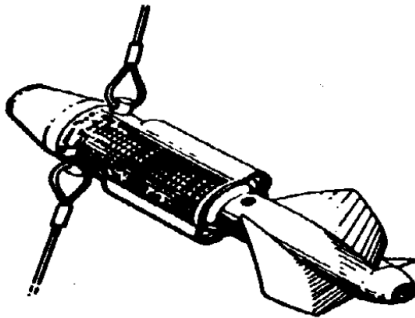




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Model 2030 Series
Mechanical Flowmeters

! Small and lightweight general purpose impeller instruments for use anywhere (in rivers, estuaries, canals, sewage outfalls, pipes, harbor entrances, offshore sites) and in association with plankton nets and other samplers. Balanced (in water) for dynamic stability. Unlimited depth capability (free-flooding).

! Universal bridle mounting allows single- point connection for towing or 2-point connection within net mount.

4. Calculations

10 counts are equal to 1 rotor revolution on the graphic labels on all flowmeters. The cts/sec. Is "counts per second" and must not be used as revolutions per second for calculations.

ROTOR CONSTANTS: Standard Speed Rotor Constant = 26,873
 Low Speed Rotor Constant R6 = 57,560
 (R2) Low Speed Rotor Constant = 51,020
 Speed Curve See Page 11

A. DISTANCE in meters = $\frac{\text{Difference in COUNTS (X) Rotor Constant}}{999999}$

(Example: Where the graph may indicate 100 cts/sec this is also equal to 10 revolutions/sec). Therefore please ensure the correct units are being used when measuring and calculating.

B. SPEED in cm/sec = $\frac{\text{Distance in meters (X) 100}}{\text{Time in seconds}}$