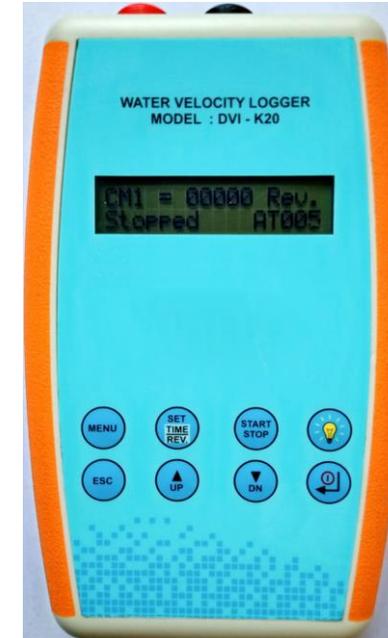# Water Velocity Logger

Model: DVI-K20

The Instrumex Make "Water Velocity Logger" Model: *DVI-K20* is a small electronic hand-held device that can be used to measure flow velocity from mechanically rotating current meter. A superior feature of the *DVI-K20* is its ability to store up-to five current meters data at a time and interface directly to a Laptop, Pocket-PC, or other computing device and provide data in MS-Excel File Format that can be used externally to compute discharge. Current Meters perform a mechanical switch closure can be used with the *DVI-K20* to produce a clean, noise-free signal. To measure and compute velocity, ***the DVI-K20 provides flexibility to User to Program it for upto 5 Current meters calibration equation with up to 3 rating equations for each current meter.*** USB port is provided for data downloading from terminal to Computer/Laptop. Data file is saved in Microsoft's Excel Format.

Water Velocity Logger

Data Logger Features & Specifications

Sensor Input:	Any Current Meters of any make with switch closure output (*sold separately*).
Mode of Operation:	Velocity Logger Mode & Rev. Counter Mode
Parameter Monitored:	*in Velocity Logger Mode*: Date, Time, Velocity (m/s). *in Rev. Counter Mode*: Date, Time, Rev. & duration.
Display:	LCD (16 X 2) to display the instrument status.
Keyboard:	provided for on-site programming.
Logging:	Automatic (after measurement)
Site Reference	Programmable
View/Delete Data	User can be view / delete logger data at site without help of computer.
Current Meter Revolution	Buzzer Provided with user selectable ON/OFF Feature
Key Tone	Provided with user selectable ON/OFF Feature
Back Light:	Provided with user selectable High, Medium & Low intensity and ON/Timed ON feature.
LCD Contrast:	Provided with user selectable 0 to 7 contrast Levels.
PC Software:	GUI based Instrumexware software for Data download.
Real Time Clock:	Internal with accuracy of +/- 2 minutes /year & leap year compensation
Memory:	8192 data sets.

Water Velocity Logger

Battery   :   2XAA Alkaline Batteries (easily replaceable onsite).

Battery Monitoring: Battery Level display on LCD with Low Battery Warning

Operating Humidity   0 to 100%, Operating Temp: - 20 to 70 $^\circ$ C

Data Port: USB Port for Downloading Data from Data Logger to Computer/Laptop.

Data Output Format   MS- Excel

Instrumexware Application Software

Instrumexware is a user-friendly, Menu Driven, Windows based software allows you to view & save collected data from data logger to computer/laptop. Data file is saved in Microsoft's Excel format.

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Represented by

**Drawing/specifications are subjected to change at any time without prior notice as per manufacturing suitability.