

Water Level Measuring Instruments

Water Velocity Indicator / Logger

Introduction

The RKCE 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 up to 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.

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 user friendly software for Data download.

Real Time Clock: Internal with accuracy of +/- 2 minutes /year & leap year compensation

Memory: 8192 data sets.

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 °C

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

Data Output Format MS- Excel

R.K. Application Software:

“GUI” based 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.

