Water Level Measuring Instruments

Direct Velocity Indicator/Logger DVI-V1

Introduction

"RKEC" DVI (microcontroller) has been designed to measure the Velocity of water in flowing stream. It can be used with any calibrated Water Current Meter. We are simply to enter the calibrated equation provided with water current meter and take the water velocity on the 16 x 2 LCD display. Two terminals to connect the different types to current meters sensor are provided on the top.

Specification

1. Power Supply by two "AA" type Battery.
2. A keypad 5X1 dome type membrane.
3. A Resolution of 0.01 meters/sec
4. A velocity range 99.99 meters/sec
5. The back time up to 240 hours.
6. The leakage current of <1.5 micro amp (Switched off)
7. The Facility of Data Retrieval through Keyboard.

Feature

1. Microcontroller Base: AVR
2. Storage for 100 reading, store in EEPROM (remains intact even if battery remove)
3. Retrieval of data through keyboard, Programmable current meter equation with storage.
4. Programmable (+ve to –ve) for constant in equation
5. Range of multiplier: 0.0001 to 1.0000
6. Range of Constant: 0.0000 to 0.9999
7. Programmable averaging time (1 to 120 sec)
8. Portable Handheld easy to use.
9. Battery status indicates on LCD at the of starting.
10. Equation input through menu driven programmable function through keypad.
11. Technology: RISC/low power consumption.
12. On/off switch provided.

Representative

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