

## T&D Voltage Recorder / VR-71



VR-71

The VR-71 data logger measures and records voltage signals within a measurement range of DC ( $\pm$ ) 15V.

It can record signals of 1-5V / 4-20mA as well as output signals from a variety of sensors. The most impressive feature is the software function that allows you to create your own dot matrix patterns for unit display and then change the recorded voltage signal into the desired unit and display accordingly to match your measuring.

### Functions

#### Measure and Record with 2 Channels on 1 Unit

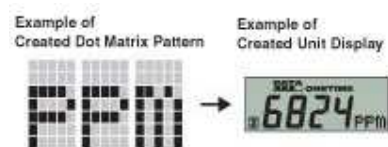
It is possible to measure and record on two channels with 1 unit. These two channels make it possible to obtain reliable readings when measuring two related phenomena. By pressing the DISPLAY button, you can choose to set the LCD display to show both channels' readings alternatively, show one channel as a fixed display or show neither channel.

#### Choose the Display Unit

Of course you can display the voltage reading as is, or by using the software to select the desired scale, convert and display the readings in the unit of your choice.

#### < Unit Display >

It is possible using the software to create and edit dot matrix patterns to be used in the LCD as the unit of measurement.



#### Select from 20 Recording Intervals / Shortest at 0.02 seconds

Recording interval can be selected from 20 choices (0.02sec to 60 min). There are also two Recording Modes to choose from: One-time or Endless.

#### Data Capacity : 8000 Readings x 2 Channels

Each channel can record up to 8000 readings. At a recording interval of 60 min, ( the longest possible recording interval ) that gives you one year of continuous recording capability.

### Specifications

Unit	VR-71
Measurement Item	Voltage
Number of Channels	2 ( common ground )
Measurement Range	Range : $\pm 1,2,6,15$ V Auto Range / Fixed Range
Measurement Accuracy	$\pm 0.5\%$ $\pm 5$ dgt (10°C~30°C )
Display Resolution	MIN 1mV
Recording Interval	20 selections : 0.02 sec~60 min
Recording Capacity	8000 readings x 2 channels
Recording Mode	Endless / One-time
LCD Display Items	Measurement Reading / Recording Status / Time / Memory Capacity
Power Source	Battery Life Warning / Unit of Measurement / 2 AAA Alkaline Batteries (LR03)
Battery Life	About 5-9 months *1
Interface	Serial communication (RS-232C)
Dimensions	H55mm x W88mm x D24mm
Weight	About 93 g ( including 2 batteries )
Temperature and Humidity Durability of the Unit	Temp : 0~50°C Humidity : 90% R H or less ( no condensation )
Attached Sensor / cable	2 Input Cables ( VR-7101)
Included in Kit	Software Set / Serial Communication Cable x 1 / AAA Alkaline Batteries x 2 User's Manual and Warranty x 1
Other	It is possible to measure electrical current by VR-7103 *2
Compatible OS	Windows 98SE / Me / 2000 / XP

**\*1** At recording interval of 1 sec : about 5 months / at rec. interval of more than 2 seconds : 9 months at a recording interval of 0.02 seconds: about 13 days

**\*2**VR-7103 <4-20mA Probe>

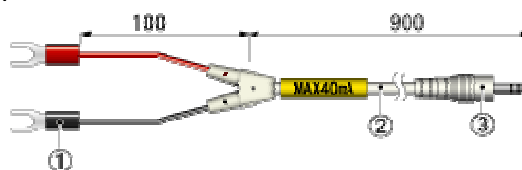
Maximum Current Input : MAX 40mA

Internal Resistance : 100Ω

Output : 2V at 20mA / 0.4V at 4mA

Conversion Accuracy : 0.5%

Cable Length : 60 in (1.0m)



Unit: mm

① M3.5 Crimp Terminal

② Vinyl Coated Electrical Wire

③ Stereo Mini Jack  $\phi 2.5$  )