

## Product Specifications

Portable Water Meter Test Kit

Model

TR-V

### 1. Summary

This test meter is designed to check the performance of an installed water meter (mainly 13 to 25 mm) and composed of a measurement water meter and water stop ball valve contained in a portable case. The measurement water meter uses a tangential vane wheel type measurement mechanism, and its electronic control section which uses a magnetic sensor, LSI, LCD, and battery outputs the flow rate value calculated from the detected rotation speed of the vane wheel as a pulse and displays it on the indicator.

### 2. Main material

- Container box..... Aluminum
- Meter..... Bronze casting, plastic
- Valve..... Bronze casting, plastic
- Display..... Plastic, etc.

### 3. Performances and functions

Model		TR-V		
Flow rate range (m <sup>3</sup> /h)		0.1 – 3.0		
Test flow rate (m <sup>3</sup> /h)		High flow: 1.0	Medium flow: 0.2	Low flow: 0.1
Error of repeatability (%)		±0.5		
Capacity (at 0.1MPa) (m <sup>3</sup> /h)		4.9 (1.8: including a hose)		
Indicator	Display	LCD (LCD display)		
	Power supply	Lithium battery 3.6V (battery life: around 4 years, battery replaceable)		
	Accumulated volume display (L)	999999.99 (Maximum 8 digits)		
	Instantaneous flow rate display (L/h, L/min)	b1: 9999 L/h b2: 99.99 L/min (Maximum 4 digits)		
	Trip accumulated volume display (L)	99999.99 (Maximum 7 digits) * Possible to reset the trip accumulated volume		
Maximum permissible working pressure (MPa)		0.75		
Maximum permissible water temperature (°C)		+0.1 – +30		
Ambient temperature (°C)		-10 – +50		
External dimensions (mm)		185 x 400 x 245		
Weight (kg)		Approx. 6.4 (excluding accessories)		

Notes 1.: An instrumental error achievement table is attached with TR-V. Please use the table by making a compensation calculation for the instrumental error.

2.: Regular inspections (every 2 years) are recommended to ensure instrumental error accuracy.

3.: Please note that there may be some changes in the product specifications without notification to improve the product performance.

4.: As for how to attach the one-touch joint and the nipple for foam tap of the hose, please read through the instruction manual.

### 4. Accessories

Hose storage bag (a set of vinyl hoses for connection, joint), instrumental error assessment sheet.