



### **User Friendly**

The machine software has been designed around the user's orientation using Graphical User Interface Technology. Easily control and customize the setting. Supervision is reduced to a minimum due to the automatic reporting system and data processing.



### **Integrated Intelligent System**

Valve, pumps, and reference equipment are integrated and controlled by the processor, to built perfect process sequences. This computerised control process enhance the accuracy and productivity of testing operation, and minimize human error.

### **High Precision**

High precision reference equipment are used in compliance with the ISO 4064 : 2005 part - 3 requirements..



### **Easy Operation**

The Machine operation is designed with the human operator in mind. Using rigid pneumatic clamping system for faster loading and unloading of water meters. Entering the reading of water meters counter guided by the software, and the result can be seen on the LED display build on the machine. Opening and closing valves, recording the values of reference equipment and the process sequences automatically done by the integrated system of the machine.



# **COMPUTERISED WATER METER TEST BENCH**



# COMPUTERISED WATER METER TEST BENCH



- Designed in Accordance with ISO 4064 Requirements
- High Precision Measurement Devices as Reference
- Integrated Computerized Control System
- User Friendly and Easy To Use
- Compact and Rugged Design, Using Quality Material
- High Capacity and Can Test Various Water Meter Size

## Introduction

The water authorities are commonly using the water meters as a reference, to measure the water consumption. The most important activity to maintain competitive water rates & to meet funding needs, is to make sure the accuracy of the water meters. The only way to determine the meters operate within the allowable limit of accuracy is to test it.

Fully Computerised Control Water Testing Bench as an equipment to accomplish this work.

## Technical Specification

Model No.	HM 1525-2R10	HM 1525-2R20	HM 1525-4R40
Operation	Measurement - Error Test ( $Q_{max}$ , $Q_r$ , $Q_p$ , $Q_s$ ) Approval Test: (7 point Test, Endurance Test)	Measurement - Error Test ( $Q_{max}$ , $Q_r$ , $Q_p$ , $Q_s$ ) Approval Test: (7 point Test, Endurance Test)	Measurement - Error Test ( $Q_{max}$ , $Q_r$ , $Q_p$ , $Q_s$ )
Capacity	DN 15 : 10 pcs DN 20 : 8 pcs DN 25 : 6 Pcs	DN 15 : 20 pcs DN 20 : 16 pcs DN 25 : 12 Pcs	DN 15 : 40 pcs DN 20 : 32 pcs DN 25 : 24 Pcs
Reference	Magnetic Flowmeter Electronic Weight Balance (Verification scale interval ~ 0.00001 m <sup>3</sup> )		
Pumping System	Variable Speed Pump (for testing) Automatic Submersible Pump (for water circulation)		
Clamping Devices	Electro Pneumatic System Air Compressor		
Electronic Control System	PLC Temperature Sensor Pressure Transducer Inverter Solenoid Valve		
Computer System	Processor: Pentium IV RAM: 256 MB Hard Disk: 40 GB Monitor: SVGA 17" Printer: Ink Jet Printer		
Material	Test bench Frame, Pipe & Fittings: Stainless Steel Test bench Table: Mild Steel Measuring Tank (100ltr): Stainless Steel Drain Tank: Poly Tank Clamping Block: Brass Holding Block: PVC Valves: Bronze Ball Valve		

**Val TechnoAgy & Engineering Sdn Bhd**

No.1, Lorong Teras Jaya 3, Taman Perindustrian Teras Jaya,  
Butterworth, Penang, Malaysia.

Tel: 604-3334119, 604-3312059. Fax: 604-3334120

E-mail: [sales@valtech.com.my](mailto:sales@valtech.com.my) URL: <http://www.valtech.com.my>