

# wellmeter

Calibration and Test Bench

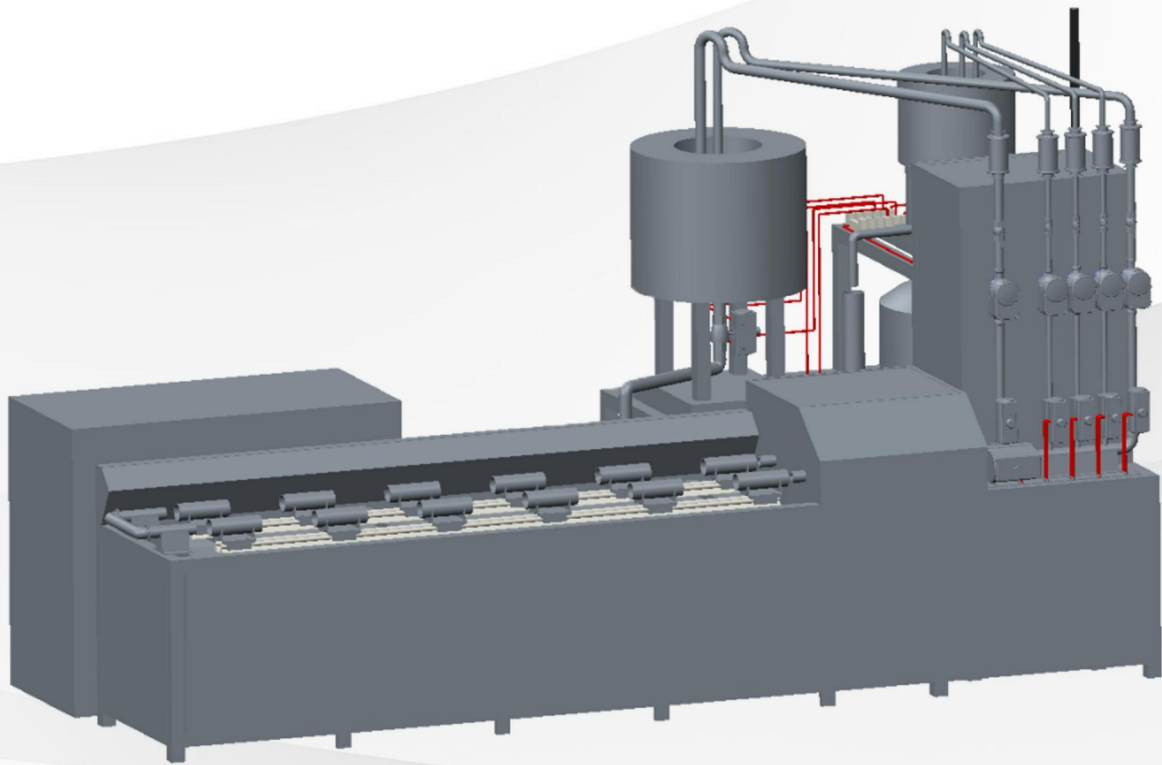
## WTB-15-25



- Test Bench For Heat Meters/ Water Meters
- DN15~DN25

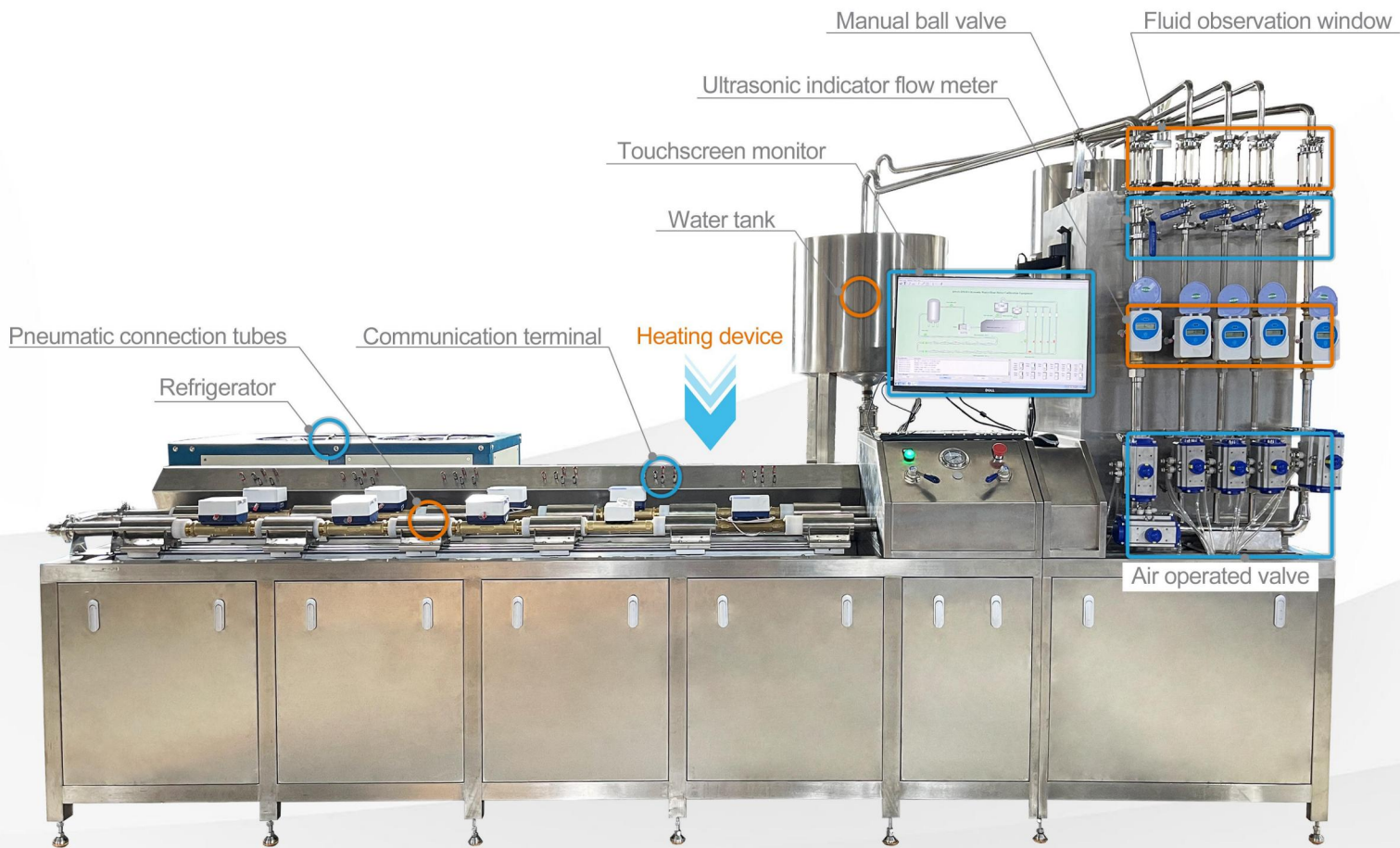
<https://www.well-meters.com>

WELLMETER manufacture calibration and test equipment for water meters and heat meters. Long experience on the field, knowledge and continuous research and development guarantees reliable products for our customers now and in the future. The equipment are fully automated computer controlled systems. The measuring principals are reference metering and static. The calibration equipment are custom made to fit the customer's specific needs and layouts.



## Key Features

- Designed for meter size from DN15 to DN25
- Measure water meter, heat meter
- Test bench connects to meter via M-BUS, RS-485, Red Infrared
- Design Fully Automatic or Semi-Automatic
- Flow rate test
- Heat energy test
- Cooling energy test
- Temperature sensors test
- Water meter calculator test
- Heat meter calculator test
- PC data administration and download



## Test Bench Components

Number	Name	Quantity	Remarks
1	Stainless steel flow detection table	1PCS	
2	Ultrasonic indicator flow meter	5PCS	DN15*3 DN 20*1 DN 25*1
3	Air operated valve	10PCS	Water flow switch control valve: DN-15 * 3 sets; DN-20 * 1 set; DN-25 * 1 set Three-way valve: DN 32 * 1 set Main valve: DN 32 * 1 set Small scale (30 KG) control valve DN15 Big scale (150 KG) control valve DN40 Water pump control valve DN32
4	Manual ball valve	9PCS	DN-15*4 DN-20 *1 DN-25*2 DN40 * 1 liquid level valve DN20 * 1
5	Water pump	1PCS	2.2KW Horizontal pump WILMH1805
6	Electronic scale	2PCS	Toledo 150KG 1PCS number of verification scale intervals n=3000; 30KG 1PCS number of verification scale intervals n=6000;
7	Weigh tank	2PCS	The large barrel can weigh 140 kg The small bucket can weigh 30 kg
8	Surge pump	1PCS	0.15 cubic meters
9	Water tank	1PCS	1.2m*0.6m*0.55m 350L
10	Refrigerator	1PCS	Air-cooled chiller AGR-051A
11	IPC	1PCS	(TARDETECH) TD-IPC-7101
12	Touchscreen monitor	1PCS	DELL
13	Distribution box	1PCS	380V, 21KW
14	Control system	1PCS	
15	Air compressor	1PCS	220V , 0.1m3/min, 0.6MPa
16	Heating pipe	1PCS	15KW
17	Thermostatic bath	1PCS	220V, 3KW, double ponds
18	Second-class standard platinum resistance	2PCS	
19	Normal thermometer	1PCS	HY250A

## Main Technical Specifications

Nominal diameter(mm)	15-25	
Main pipe(mm)	25	
Checked meter caliber(mm)	15/20/25	
Measuring method	Static mass method	
Flow range (m <sup>3</sup> /h)	0.004~8	Pipeline through pipe
Electronic weighing(KG)	30	Mettler-Toledo (optional)
Electronic weighing(kg)	150	Mettler-Toledo (optional)
Flow stabilizer (m <sup>3</sup> )	0.15	
Water pump	Wilo	
Operating pressure(MPa)	0.2-0.5	
Device uncertainty(%) K=2	0.2	
Working temperature(°C)	5-50°C	
Working medium	Clean water	
Device accuracy level	0.2	
Number of meters	DN15:12 PCS DN20:10 PCS DN25:8 PCS	

## Dimensions And Structure Design

