

HIGHLY ACCURATE COST EFFECTIVE NRW MANAGEMENT SOLUTIONS



0.2% to 0.3% Accuracy.

FLOW ELEMENT : ULTRASONIC FLOWMETER (CLAMP ON)
 SIZE : 4" NB SL. NO. (TRANSMITTER) : 19012873
 MAKE : TAOSONIC-AUM FLOW RANGE : 80 m³/hr
 SERIAL NO. (Sensor) : TM00109724 CALIBRATING FLUID : Water
 MODEL NO. (SENSOR) : TM-1 K FACTOR : 1.0000 CHANGED TO 1.1224
 MODEL NO. (TRANSMITTER) : TUF2000B DATE OF CALIBRATION : 17.04.2023

Sl. No.	Pup bar	W ₁ kg	W ₂ kg	t s	T deg C	Density kg/m ³	Q _a m ³ /h	Q _i m ³ /h	%Dev. in Q _i	Meter Factor	Repeatability (%)	Uncertainty (%)
1	1.80	629.800	941.550	60.292758	33.10	994.750	18.732	15.9560	-14.821	1.0000		
2	1.80	485.150	681.800	79.941021	33.11	994.750	8.912	7.0500	-20.893	1.0000		
3	1.80	682.000	1045.600	40.751731	33.12	994.750	32.324	28.3700	-12.233	1.0000		
4	1.80	1045.600	1532.500	41.437217	33.12	994.740	42.570	37.8250	-11.146	1.0000		
5	1.80	188.850	838.600	40.539782	33.14	994.740	58.065	51.8180	-10.759	1.0000		
6	1.80	280.250	794.400	50.546521	33.31	994.680	36.853	37.0620	0.566	1.1224		
7	1.80	794.400	1392.150	58.813151	33.31	994.680	36.823	36.9960	0.469	1.1224		
8	1.80	1008.450	1442.850	42.730386	33.32	994.680	36.833	37.0740	0.655	1.1224	0.054	0.227
9	1.80	404.450	1041.500	47.445041	33.34	994.670	48.648	48.8490	0.413	1.1224		
10	1.80	1041.500	1566.000	39.219039	33.35	994.670	48.639	48.9970	0.736	1.1224		0.295
11	1.80	503.600	1126.300	46.372070	33.35	994.670	48.653	48.8510	0.408	1.1224	0.109	
12	1.80	599.250	1328.100	44.086729	33.35	994.670	59.898	60.2540	0.594	1.1224		
13	1.80	804.400	1604.000	48.364941	33.36	994.660	59.900	60.2860	0.644	1.1224		
14	1.80	631.700	1533.450	54.583707	33.36	994.660	59.856	60.1490	0.489	1.1224	0.046	0.220
15	1.80	415.000	807.300	55.804567	33.37	994.660	25.470	25.4910	0.081	1.1224		
16	1.80	807.300	1169.600	51.463241	33.37	994.660	25.507	25.5790	0.282	1.1224		
17	1.80	1169.600	1447.800	39.559398	33.39	994.660	25.480	25.4110	-0.270	1.1224	0.161	0.380
18	1.80	530.000	1511.500	44.596511	33.38	994.650	79.741	79.7690	0.035	1.1224		
19	1.80	155.450	1235.250	49.058056	33.39	994.650	79.749	79.7910	0.053	1.1224		
20	1.80	258.800	1193.400	42.550660	33.39	994.650	79.752	79.8070	0.069	1.1224	0.010	0.201

Repeatability = 0.161 %

Witnessed By

Mr. Vignesh KV
M/s AUM SYSTEMS

FCRI Certificate

Activate Win

**Automation & Maintenance
Management Systems
(AuM Systems)**

Areas of Operation:

- ❖ Industrial water consumption
- ❖ NRW studies and audits for Municipalities and Water Authorities
- ❖ Water distribution networks