

List of Detectable Parameters

MDS-900H Portable Water Quality Analyzer & MDS-2207WX Laboratory Water Quality Analyzer

No.	Parameter	Measurement Range	Detection Limit
1	COD	0-15000 mg/L	5 mg/L
2	Ammonia nitrogen	0-50 mg/L	0.05 mg/L
3	Ammonia nitrogen (BHA)	0-25 mg/L	0.01 mg/L
4	Total phosphorus	0-16 mg/L	0.02 mg/L
5	Total phosphorus (Vanado-molybdate yellow method)	1-100 mg/L	1 mg/L
6	Total nitrogen	0-100 mg/L	0.5 mg/L
7	Turbidity	0-1000 NTU	10 NTU
8	Suspended solids (SS)	0-500 mg/L	10 mg/L
9	Chromaticity	0-500 degrees	40 degrees
10	Hexavalent chromium	0-5 mg/L	0.03 mg/L
11	Total chromium	0-5 mg/L	0.04 mg/L
12	Copper	0-50 mg/L	0.2 mg/L
13	Nickel	0-4 mg/L	0.1 mg/L
14	Zinc (PAN method)	0-10 mg/L	0.04 mg/L
15	Iron	0-50 mg/L	0.1 mg/L
16	Silver	0-10 mg/L	0.08 mg/L
17	Antimony	0-10 mg/L	0.8 mg/L
18	Manganese	0-5 mg/L	0.4 mg/L
19	Manganese (PAN method)	0-0.5 mg/L	0.02 mg/L
20	Phosphate	0-20 mg/L	0.05 mg/L
21	Sulfate	0-200 mg/L	11 mg/L
22	Sulfide	0-4 mg/L	0.02 mg/L
23	Cyanide	0-1 mg/L	0.02 mg/L
24	Fluoride	0-7.5 mg/L	0.08 mg/L
25	Nitrate nitrogen	0-20 mg/L	0.4 mg/L
26	Nitrite	0-1 mg/L	0.007 mg/L
27	COD manganese (method 1)	0-10 mg/L	0.1 mg/L
28	COD manganese (method 2)	0-8 mg/L	0.07 mg/L
29	Residual chlorine	0-10 mg/L	0.1 mg/L
30	Total chlorine	0-10 mg/L	0.1 mg/L
31	Chlorine dioxide	0-10 mg/L	0.1 mg/L
32	Silicon dioxide (silica)	0-5 mg/L	0.2 mg/L
33	Volatile phenols	0-10 mg/L	0.1 mg/L
34	Arsenic	0-0.5 mg/L	0.004 mg/L
35	Aniline	0-20 mg/L	0.08 mg/L
36	Cadmium	0-0.5 mg/L	0.04 mg/L
37	Anionic surfactant	0-2 mg/L	0.01 mg/L
38	Ozone	0-30 mg/L	0.04 mg/L

39	Ozone (indigo method)	0-1 mg/L	0.05 mg/L
40	Formaldehyde	0-50 mg/L	0.09 mg/L
41	Aluminum (method 1)	0-20 mg/L	0.07 mg/L
42	Aluminum (method 2)	0-1 mg/L	0.02 mg/L
43	pH	5.0-8.5	5
44	Dissolved oxygen	0-15 mg/L	0.4 mg/L
45	Total hardness	0-500 mg/L	0.2 mg/L
46	Chloride	0-50 mg/L	0.2 mg/L
47	Alkalinity	0-500 mg/L	4 mg/L
48	Available chlorine	0-100 mg/L	0.6 mg/L
49	Lead	0-5 mg/L	0.2 mg/L
50	Cyanuric acid	0-800 mg/L	2 mg/L
51	Cobalt	0-5 mg/L	0.03 mg/L
52	Calcium	0-10 mg/L	0.1 mg/L
53	Bromide	0-20 mg/L	0.1 mg/L
54	Bromate	0-0.5 mg/L	0.05 mg/L
55	Urea (national standard)	0-100 mg/L	0.3 mg/L
56	Urea (PDAB method)	0-100 mg/L	1 mg/L
57	Hydrazine	0-10 mg/L	0.01 mg/L
58	Selenium	0-20 mg/L	1.8 mg/L
59	Hydrogen peroxide	0-50 mg/L	4 mg/L
60	Palladium	0-2 mg/L	0.3 mg/L
61	Methanol	0-5 mg/L	0.7 mg/L
62	Beryllium	0-0.2 mg/L	0.07 mg/L
63	Vanadium	0-1 mg/L	0.04 mg/L
64	Boron	0-4 mg/L	0.09 mg/L
65	Silicic acid (metasilicic)	0-5 mg/L	0.2 mg/L
66	Titanium	0-0.4 mg/L	0.01 mg/L
67	Mercury	0-1 mg/L	0.05 mg/L
68	Molybdenum	0-4 mg/L	0.2 mg/L
69	Biuret	0-400 mg/L	85 mg/L
70	Barium	0-1 mg/L	0.2 mg/L
71	Tin	0-1 mg/L	0.1 mg/L
72	Bismuth	0-8 mg/L	0.9 mg/L
73	Volatile fatty acids	0-4000 mg/L	29 mg/L
74	Thiocyanate	0-40 mg/L	0.7 mg/L
75	Combined chlorine	0-2.5 mg/L	0.01 mg/L
76	Chlorite	0-1 mg/L	0.01 mg/L
77	Zirconium	0-1 mg/L	0.05 mg/L
78	Chloral	0-2 mg/L	0.3 mg/L
79	Ammonium ion	0-50 mg/L	0.1 mg/L
80	Phenolphthalein alkalinity	0-100 mg/L	1 mg/L

Thanks for your business!