



Dangerous Liquid Detector

AT1000



Product highlights

- *Power on self test (POST)
- *Radiation free
- *Identify liquid sealed in metallic or nonmetallic container
- *Accurate and quick result
- *Support network control and data transfer
- *USB interface
- *Minimum 10000 Retrievable Data Records

General Specification

Dimension	400mm(L) × 350mm(W) × 226mm(H)
Weight	8.3KG
Gross weight (kgs)	18KG
Packing size	570*475*380mm

Technical Specification

Technology	Ultra wideband pulse microwave reflection method and thermal conductivity method
Required container material	Metallic: Iron, aluminum; Nonmetallic: plastic, glass, ceramics
Dangerous liquids identified	More than 50 dangerous liquids: Gasoline, kerosene, diesel oil, hydrochloric acid, sulfuric acid, nitric acid, sodium hydroxide, petroleum ether, Acetone, benzene, carbon disulfide, hexane, isopropanol, nitromethane, ethylene glycol, etc.
Container size	Metallic container: thickness ≤ 0.5mm; 30mm < diameter < 150mm; Height > 30mm Nonmetallic container: thickness ≤ 8mm; 30mm < diameter < 200mm; Height > 30mm
Minimum liquid quantity	100ml with height higher than 30mm

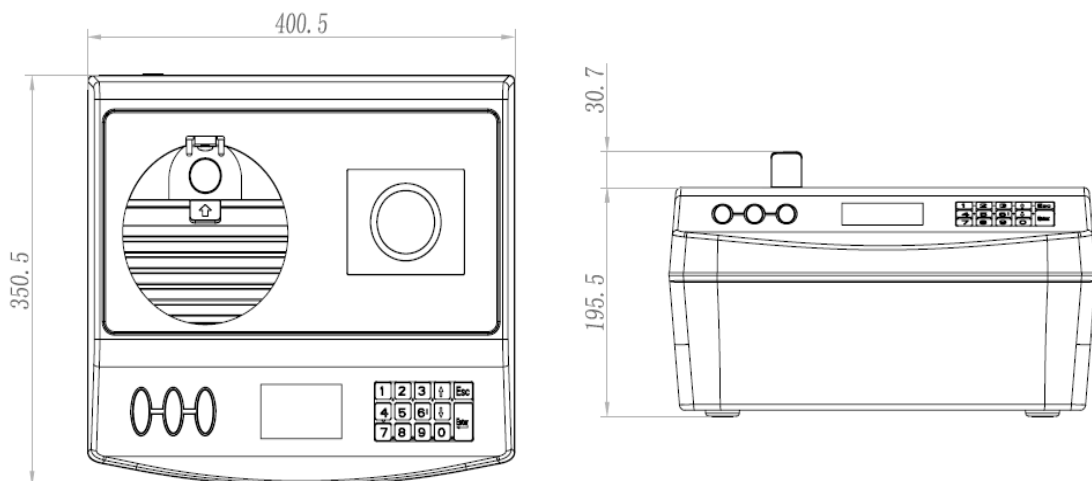
Temperature of the liquid	0°C ~ 40°C (liquid state)
Boot time	2.3s
Identify time	Metal container: within 4s Nonmetal container: within 1s
Alarm	Voice, LED light, and display
Display	Top Micro, LM240160CCW, 240x160 black and white LCD
Data storage	Minimum 10000 data, USB interface to computer for storanalysis
Maximum power consumption	20W
Accessories	1.5 m USB data cable, 2 m power cord, 2 m crossover cable, Accessory box, 250ML plastic beaker

Operating Environment

Operating temperature	-10°C ~ 55°C
Humidity	0% ~ 90%
Power Voltage/ frequency	AC180-240V(50/60Hz)

Compliance

International	* ISO19001; ISO14001; ISO45001 * CE, RoHS, FCC
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No.	Dangerous Liquids	No.	Dangerous Liquids
1	Gasoline (93#, 97#)	27	Tetrahydrofuran
2	Kerosene	28	Paint
3	Diesel oil	29	Hexane
4	Aether	30	Acetic acid
5	Petroleum ether (0-60)	31	Positive octane
6	Isopropyl ether	32	Methylcyclohexane
7	Acetaldehyde	33	Propaldehyde
8	Glycol	34	Sulphuric acid
9	Nitrobenzene	35	Hydrochloric acid
10	Epoxide propane	36	Nitric acid
11	Heptane	37	Thinner of nitrocellulose lacquer
12	Rosin water	38	Turpentine
13	Acetone	39	N-pentane
14	Benzene	40	Acetaldehyde (40%)
15	Toluene	41	Oleic acid
16	Xylene	42	Ethyl formate
17	Two chloroethane	43	Ethyl butyrate
18	Ethanol	44	Ethyl propionate
19	Ethanol (70%)	45	Acetonitrile
20	Isopropanol	46	Diethylene glycol
21	Carbon disulfide	47	Ethyl benzene
22	Methanol	48	Brominated benzene
23	Nitromethane	49	Chlorobenzene
24	Isopropanol (70%)	50	Isobutanol
25	Paint thinner (nitro thinner solvents)	51	Hydrogen peroxide (30%)
26	Trichloromethane	52	Sodium hydroxide solution
27	Tetrahydrofuran		