

Air method suitable for detecting the liquid level in chemical liquid tanks

Ideal for semiconductor manufacturing and chemical processes with no risk of corrosion or ignition in chemical liquid atmospheres

Easy corrosion and explosion-proof measures

Only the detection tube is wetted parts, and the body can be installed away from chemical liquids.

Reduces installation costs

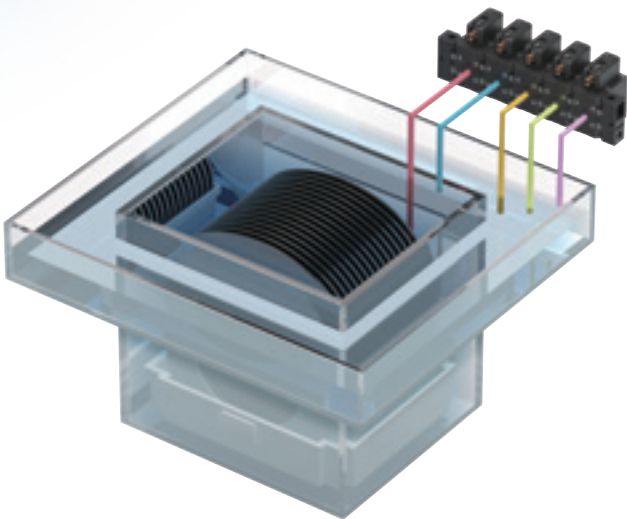
It is not affected by steam, splashing, drops, temperature, or chemical liquids (irritant odor, flammable, corrosive), reduces costs for countermeasures and is easy to install.

Compact

Does not interfere with the wafer, etc., being carried in and out without occupying a space near the tank.

Maintenance-free

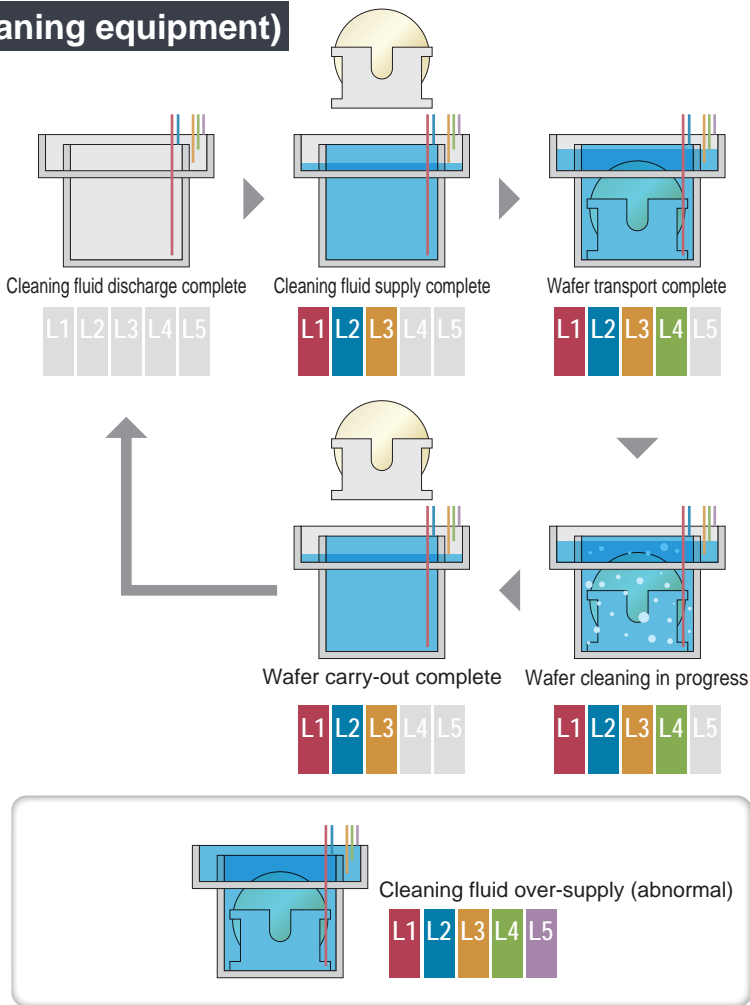
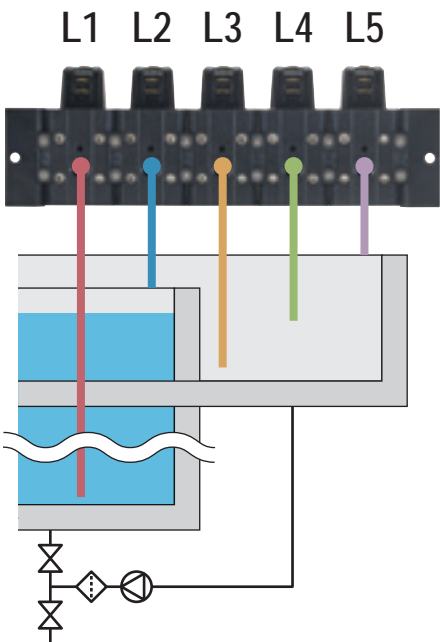
As air is normally released from the detection tube, reverse flow of chemical liquid atmosphere is prevented.



Application example (wafer cleaning equipment)

Each level switch

Tube end position		Detection purpose
Outer tank	Upper limit	L5 Cleaning fluid over-supply (abnormal)
	Fixed quantity	L4 Wafer transport complete
	Lower limit	L3 Cleaning fluid supply complete
Inner tank	Upper limit	L2 Wafer carry-out complete
	Lower limit	L1 Cleaning fluid discharge complete



Fine level switch

KML Series

KML502

- 1 million cycles guaranteed
- Improved diaphragm durability
- 25% lighter
- RoHS2 compatible



MKML2(Manifold)

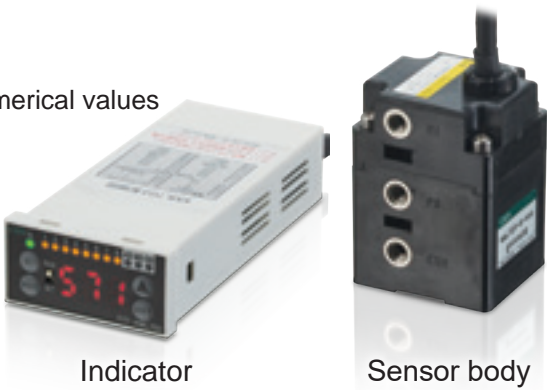
- Supply ports are "freely vertical/ horizontal", reducing plug installation locations (from 7 → 3 locations) and improving workability
- Block connection structure enables change in the station No.



* Specifications and performance are the same as those of the former KML50 Series products. Single unit mounting dimensions are completely compatible.

KML703

- Visualization of water depth in tank is possible using numerical values
- Cancels the effect of environmental pressure fluctuation (differential pressure method: D type)
- Up to 8 points can be detected with a single tube
- Remote operation enabled and communication function (RS485) built in
- Separate display and sensor body, taking into account space-saving and robustness



Lineup

Type	Function							Page
	No. of output points	Repeatability	Nozzle Detection pressure	Threshold Setting method	Indicator	Output method	Additional functions	
KML502 	1 points	±1 mm	Liquid surface	Factory-set	None	Reed output	Up to 5 stations Manifold	1
KML60 	4 points	±10 mm	Deepest part of the liquid tank	Arbitrary trimmer adjustment	LED lamp	Proximity NPN output	Manifold with MKML502	5
KML703 	8 points Alarm 1 point	±3 mm	Deepest part of the liquid tank	Display button operation/ RS485 communication	7-segment LED	Proximity NPN output RS485 communication	Environmental pressure correction * D type	9