WHAT IS CLAIMED IS:

1. A sensor target cover for use with an optical liquid level detection sensor, the sensor target cover comprising:

a reflecting plate;

an inner wall structure surrounding the reflecting plate; and

an outer wall structure surrounding the inner wall structure,

wherein a gap is formed between the inner wall structure and the outer wall structure.

2. The sensor target cover according to claim 1, wherein a lower end of the outer wall structure is positioned higher than a lower end of the inner wall structure, and an upper end of the outer wall structure is positioned higher than an upper end of the inner wall structure.

3. The sensor target cover according to claim 1 or 2, wherein an inner space of the inner wall structure is partitioned into a first room and a second room by the reflecting plate.

4. The sensor target cover according to any one of claims 1 to 3, wherein the inner wall structure includes an inner protection wall facing the reflecting plate and two inner walls disposed on both sides of the reflecting plate and the inner protection wall.

5. The sensor target cover according to claim 4, wherein the outer wall structure includes two outer walls respectively disposed on the outer sides of the two inner walls, an outer protection wall disposed on the outer side of the inner protection wall, and a ceiling wall.

6. The sensor target cover according to claim 5, wherein gaps are respectively formed between outer surfaces of the two inner walls and inner surfaces of the two outer walls, a gap is formed between an outer surface of the inner protection wall and an inner surface of the outer protection wall, and a gap is formed between an upper end of each of the two inner walls and the inner protection wall and a lower surface of the ceiling wall.

7. A wet processing device comprising:

a processing tank;

a substrate holding part disposed inside the processing tank;

a drain port disposed at the processing tank;

a liquid supply nozzle disposed inside the processing tank;

an optical liquid level detection sensor detecting a liquid level inside the processing tank; and

a sensor target cover facing the optical liquid level detection sensor,

wherein the sensor target cover is a sensor target cover according to any one of claims 1 to 6.

8. The wet processing device according to claim 7, wherein a gap is formed between a lower end of the sensor target cover and a bottom of the processing tank.

9. The wet processing device according to claim 7 or 8, further comprising:

an exhaust port disposed inside the processing tank.

10. The wet processing device according to any one of claims 7 to 9, further comprising:

a clean air supply device disposed at a position higher than a substrate inlet and a substrate outlet of the processing tank.

11. A substrate processing device comprising:

a polishing part polishing a substrate;

a cleaning part including a plurality of wet processing devices that clean the substrate being polished; and

a transport device transporting the substrate being polished from the polishing part to the cleaning part,

wherein the wet processing device is the wet processing device according to any one of claims 7 to 10.

12. A sensor assembly for use in wet processing device, comprising:

an optical liquid level detection sensor; and

a sensor target cover facing the optical liquid level detection sensor;

wherein the sensor target cover comprising:

a reflecting plate;

an inner wall structure surrounding the reflecting plate; and

an outer wall structure surrounding the inner wall structure,

wherein a gap is formed between the inner wall structure and the outer wall structure.

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