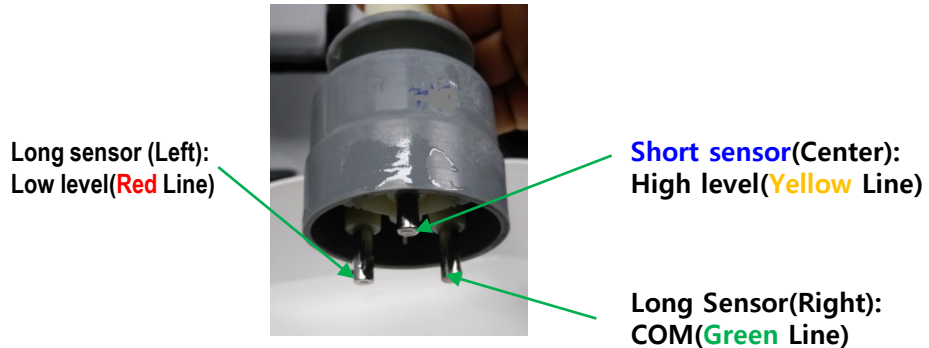


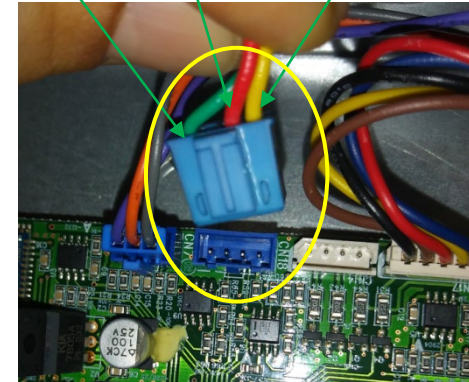
# ◆ SVC - How to check the water level sensor defective part (IM ~ Series)

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## 1. Water level sensor and connect PCB parts specifications



COM (GR)    Low (RD)    High (YL)



## 2. Failure phenomenon

- 1) **Dielectric breakdown (Upon penetration of internal water)** (How to check : Remove water in W-Vessel → S/W 'ICE' position)
  - => How to check the level sensor failure : Low-level / high-level / COM detection rod connection resistance measurement with tester separated by level sensor → **Normal 0 Ω (OK)**
  - ① High / Low level sensor poor insulation : Drain operation (Drain V/V+PUMP Continuous operation)
    - After 5 minutes operation stop.
    - (Display - **No Water flashing, FND – display Er.18**), Initial no **ERROR** display
  - ② High / COM poor insulation : The same as no. ①
  - ③ Low / COM poor insulation : The same as no. ①
  - ④ High / Low / COM poor insulation : The same as no. ①
- 2) **Breaking of a wire (Terminal dropout) and poor contact** (How to check : Remove water in W-Vessel → S/W 'ICE' position)
  - => With tester between Low / High / COM detection rod and PCB connector check with matching harness color line.
  - ⑤ COM (Green) connector or High / Low level sensor or High / Low / COM terminal dropout :
    - Continuous water in (Water V/V continuous operation) → After 5 minutes operation stop (**No Water light on, Er.15 display**)
  - ⑥ High level sensor (Yellow) terminal dropout : The same as no. ⑤
  - ⑦ High level sensor (Red) terminal dropout : Water in → Drain + PUMP operation → Water in → Drain + H-GAS operation → Continuous water in → After 5 minutes operation stop (**Display - No Water light on, FND - Er.15 display**)

## 3. Resolution

- 1) Dielectric breakdown (Upon penetration of internal water) → Change WATER PROBE ASS'Y
- 2) Breaking of a wire (Terminal dropout) and poor contact) → Check the missing or loosen terminal and reassemble.