

Microcontroller Based Karl Fischer Titrator**Make: ANALAB Model: μ AquaCal5****Installation prerequisites****➤ Environment Conditions :**

The Instrument can operate within temperature and relative humidity conditions of 0 °C to 55°C and 5 to 95 % respectively. However an environment comfortable for human habitation (reasonable constant temperature and humidity conditions) is recommended for optimum performance and instrument lifetime.

Exposure to corrosive substances (weather gas, liquid or solid) may affect materials and components used in instrument and should avoid.

➤ Power Supply Requirements:

- 1) Stabilized Power supply 230 VAC \pm 10 %, 50Hz.
(Earthing voltage should be **Less than 3V AC** – between Earthing & Neutral)
- 2) One 5 Amp. Point require for Main unit

➤ Chemicals and Accessories Required:

- 1) Karl Fischer Reagent - 250 ml
- 2) Dried Methanol bottle (KF Grade) - 250 ml
- 3) Distilled Water - 50 ml
- 4) Silicon Grease - 50 gm.
- 5) Dropper Bottle OR 10 μ L syringe for calibration
- 6) Dry Di sodium Tatrte (DST) - 250 Gms.
- 7) Analytical Balance (with 0.1 mg accuracy)
- 8) Tissue Paper Roll
- 9) Butter paper for solid samples
- 10) Wash Bottle – 1 No.
- 11) Waste Bottle for drain output (Optional if Auto Drain system is procure)
- 12) Calculator

Note :

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