

Installation Prerequisites for Microcontroller Based Karl Fischer Titrator (With 21 CFR Part-11 Compliance)

Model: μ AquaCal100 | Make: ANALAB

➤ **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 (whether gas, liquid or solid) may affect materials and components used in the instrument and should be avoided.

➤ **Power Supply Requirements:**

- 1) Stabilized Power supply 230 VAC \pm 10 %, 50Hz
(Earthing voltage should be **Less than 3V AC** - between Earthing & Neutral)
- 2) Three 5 Amp. points required for the Main unit, PC and Printer

➤ **Chemicals and Accessories Required:**

- 1) Karl Fischer Reagent - 250 ml
- 2) Dried Methanol bottle (KF Grade) - 250 ml
- 3) Distilled Water - 50 ml
- 4) Dropper Bottle OR 10 μ L syringe for calibration
- 5) Dry Disodium Tartrate (DST) - 250 gm
- 6) Analytical Balance (with 0.1 mg accuracy)
- 7) Tissue Paper Roll
- 8) Butter paper for solid samples
- 9) Wash Bottle - 500 ml - 01 No.
- 10) Waste Bottle for drain output
- 11) 40 / 80 Column Dot Matrix Serial Printer (if report printing is required)
- 12) Windows based PC for "ANALABsafe" software. (if PC connectivity is required)
(Software supports Windows 7 or above OS, 32 / 64 bit with internet facility to download ANALABsafe software and driver online)