

Installation Prerequisites for Auto Titrator Model: μ TitraCal50 | 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) One 5 Amp. points required for the Main unit

➤ **Chemicals and Accessories Required:**

- 1) Distilled Water - 5 Liter
- 2) Analytical Balance (with 0.1 mg accuracy)
- 3) Glass wares like beakers, measuring cylinders, pipettes etc.
- 4) Potassium Hydrogen Phthalate (KHP)
AR Grade with M.W. 204.22 gram, Min. Purity requires - 99.5%
- 5) Perchloric Acid (HClO₄) 0.1N (TITRANT)
- 6) Glacial Acetic Acid (C₂H₄O₂) as a Solvent
- 7) Sodium Hydroxide (NaOH) 0.1N (TITRANT)
- 8) Distilled water as a Solvent

➤ **PC required for Operation:**

- 1) Desktop or Laptop computer
- 2) 4 GB RAM or higher
- 3) 1 28 GB HDD / SSD or higher
- 4) Microsoft Windows 7 operating system or above
- 5) SVGA colour monitor
- 6) 3.5" (1.44 MB) CD drive
- 7) Mouse
- 8) One serial communication Port and Two USB Port
- 9) Windows compatible printer (In case of taking hard copy)