

## KFT-50V Karl Fischer Titrator



### GENERAL FEATURES

- Color High contrast LCD touchscreen, 7.0 inches.
- Coulometric KF Titration.
- Support oven sampling method, to meet the gas, solid, liquid in the constant moisture, trace moisture measurement.

### Volumetric Karl Fischer Titration

- Intelligent operation system provides features including user management, method management, sensor management, titrant management, data management and GMP management etc.
- Support Auto Titration Method, KF Titer Determination Method, Oven Titration Method and Oven Blank Titration Method.
- The solvent manager adopts anti-leakage liquid and anti-pour design of waste liquid bottle, supports to fill titrant, drain solution, feed solvent, mix titrant and clean burette, ensure safe handling of Karl Fischer chemicals.

### Includes

- Solvent manager
- 10mL burette
- Volumetric vessel
- Measuring electrode

### Data management

- Auto/manual drift adjust ensures accurate results.
- Selectable units including  $\mu\text{g}$ , mg, %, ppm, mg/L and  $\mu\text{g/mL}$ .
- User three-level authority management and password management.
- Support for GMP management, the GMP logs achieve the tracking and analysis of the the data.
- Store up to 2000 titration data sets (GLP-compliant).
- Support for RS-232 communication for print and the print format can be alternate.
- Support for USB communication for PC software.
- Support for U disk for method export and import.
- Support for U disk for data export with CSV or PDF format.
- Support for printer, barcode scanner, oven and balance (specific model).
- It needs GMP software to implement GMP management functions.

| Model                            |               | KFT-50V                                             |
|----------------------------------|---------------|-----------------------------------------------------|
| Principle                        |               | Karl Fischer Volumetric Titration                   |
| Water                            | Range         | 100 $\mu\text{g}$ ~250.0mg                          |
|                                  | Resolution    | 1 $\mu\text{g}$                                     |
|                                  | Unit          | $\mu\text{g}$ , mg, %, ppm, $\mu\text{g/mL}$ , mg/L |
|                                  | Repeatability | $\leq 0.3\%$                                        |
| mV Range                         |               | (0~2000)mV                                          |
| mV Resolution                    |               | 0.1mV                                               |
| Polarization Current Range       |               | (1~200) $\mu\text{A}$                               |
| Polarization Current Accuracy    |               | $\pm 3\%$                                           |
| Polarization Current Fluctuation |               | $\pm 2.5\%/30\text{min}$                            |
| Working Current Accuracy         |               | /                                                   |
| Working Current Fluctuation      |               | /                                                   |
| Power Supply                     |               | (100~240)VAC, (47~63)Hz                             |
| Dimensions                       |               | 240×370×270mm                                       |
| Net Weight                       |               | About 4kg                                           |