

Ion Chromatography



Year of Purchase - 2015

Cost - Rs. 22.57 Lac

From routine IC analysis to research and development, from stand-alone analyzers to fully automated systems, find the right IC solution for your requirements here:

- Ion chromatographs
- Metrohm Inline Sample Preparation solutions
- Columns for anion and cation analysis
- Solutions for automated ion chromatography

The instrument 850 Professional IC – Anion – MCS (2.850.2030) is one of the model versions of the Professional IC line of instruments manufactured by the Metrohm Company. The Professional IC line of instruments is distinguished by

- the intelligence of its components, which are able to monitor and optimize all functions and to provide documentation according to FDA requirements.
- its compactness.
- its flexibility. A suitable model version exists for every application. Individual instruments can be converted, expanded or modified to create a different instrument as needed.
- its transparency. All components are easily accessible and arranged in a clear manner.
- its safety. Chemicals and electronics are separated and a leak sensor is integrated in the wet end.
- its environmental compatibility.
- low noise emission.

The instrument is operated with MagIC Net software. It is connected via a USB connection to a PC on which MagIC Net is installed. The software automatically recognizes the instrument and checks its functional readiness. MagIC Net controls and monitors the instrument, evaluates the measured data and administers it in a database. The operation of MagIC Net is described in the online help or in the tutorial for MagIC Net.

Specifications

| Features | Specifications |
|--------------------------|-----------------|
| Dimensions in mm (W/H/D) | 365 / 642 / 380 |
| Ambient temperature | +25 °C (±3 °C) |

| | |
|---|---|
| Instrument status | > 40 minutes in operation (equilibrated) |
| IC system | <ul style="list-style-type: none"> ■ Metal-free IC system ■ Compact system with modular design ■ Up to two complete chromatographic systems in one housing |
| Material | Painted polyurethane hard foam without CFCs, fire class V0 |
| Intelligent components | iPump, iDetector, iColumn, MagIC Net |
| Type (Leak sensor) | Electronic, no calibration necessary |
| Material of base tray, housing and flask holder | Polyurethane hard foam (PUR) with flame retardation for fire class V0, CFC-free, painted |
| Operating elements: Indicators | LED for power display |
| Required supply voltage | 100 - 240 V \pm 10% (autosensing) |
| Required frequency | 50 - 60 Hz \pm 3 Hz (autosensing) |
| Power consumption | <ul style="list-style-type: none"> ■ 65 W for typical analysis application ■ 25 W standby (conductivity detector to 40 °C) |
| Power supply unit | <ul style="list-style-type: none"> ■ Up to 300 W maximum, electronically monitored ■ Internal fuse 3.15 A |
| USB | Entry 1 USB upstream, type B (for connection to the PC) |
| MSB | 2 MSB 8-pin Mini DIN (female) (for Dosino, stirrer, remote lines, etc.) |
| Detector | 2 15-pin high-density DSUB (female) |
| Column recognition | 3 (including 2 in the column thermostat) |
| Leak sensor | 1 jack plug |