MEASURING PARAMETERS

Item	Measuring range	Resolution	CV %
Potassium ion(K^+)	0.50—15.00mmol/L	0.01mmol/L	≤ 1.0%
Sodium ion(Na^+)	20.0—200.00mmol/L	0.1mmol/L	≤ 1.0%
Chloride ion(Cl^-)	20.0—200.00mmol/L	0.1mmol/L	≤ 1.0%
Calcium(Ca^{2+})	0.10-5.00mmol/L	0.01mmol/L	≤ 1.5%
Lithium(Li^+)	0-3.00mmol/L	0.01mmol/L	≤ 1.5%
pH	6.00—9.00	0.01	≤ 1.0%
TCO_2	6.0—50.00mmol/L	0.1mmol/L	≤ 3.0%

SPECIFICATION

Throughput	40 samples/hour with TCO_2 65 samples/hour for Na/K/Cl/Ca/pH without TCO_2
Sample volume	65 μl with auto loader 150 μl without auto loader
Sample type	Whole blood, Serum, Plasma, Urine
Auto loader	25 positions (small) 40 positions (big)
Sample probe	Two probes, in whichone probe is built in the machine and one is built in the auto loader. The probe of auto loader with the function of liquid level detection and collision protection
Touch screen	Color TFT touch screen 7inch with resolution 800 x 480 pixels, brightness adjust
Barcode reader	Automatic scanning patient information Reagent pack with barcode label and reagent consumption calculation online.
Printer	Automatic thermal printer Paper width: 30mm(W) x 57mm(H) Resolution: 240 x 128 pixels
Memory	5000 sample results 5000 QC or Calibration results 20000 sample results with extended USB
Interface	04 USB Host (flash disc, mouse, key board...) 02 RS232 for barcode scanner and communication RJ45 Ethernet network
Dimension	Main unit: 337mm x 192mm x 402mm Small auto loader: 347mm x 277mm x 451mm Big autoloader: 570mm x 425mm x 380mm
Weight	Main unit: 17 Kg Small auto loader: 6.5 Kg Big autoloader: 10 Kg
Working environment	Working temperature: 5oC—40oC Humidity < 80% without condense Air pressure: 86 kPa—106 kPa Power supply: 100V—240V, 50/60Hz Working power: 300VA Sampling temperature: 5°C—40°C

AUTO electrolyte analyzer series:
- Auto ISE300 (Na/K/CL or Na/K/Li)
- Auto ISE500 (Na/K/CL/Ca/pH)
- Auto ISE1000 (Na/K/CL/Ca/pH/TCO2)

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mti diagnostics

SMART SOLUTIONS FOR YOUR LAB
AUTOMATIC ELECTROYTE ANALYZER

AUTO ISE 500

Auto Electrolyte Analyzer Series

K^+

Na^+

Cl^-

Ca^{++}

pH

Li^+

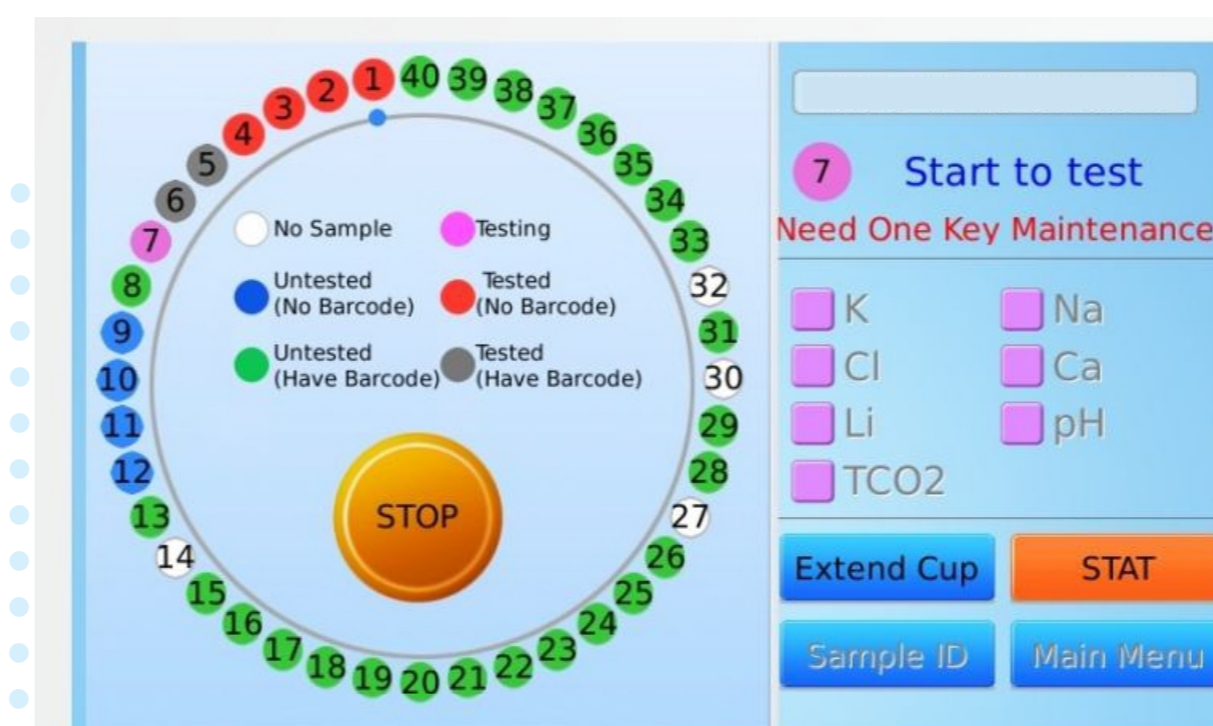TCO_2

MTI diagnostics GmbH

AUTO ISE ANALYZER SERIES

Brief Introduction

The Instrument is intended for measuring, icon concentration of potassium, sodium, calcium, chloride, lithium, pH and TCO2 in the serum, plasma, whole blood and urine. It adopts interface to accelerate test efficiency.

Intuitive Operation System

Real time display of testing status
STAT capability is available for single or multiple sample tests
Random access automatically for big sample, manually for small sampler
Alarm on residual volume of reagent

Advanced Information and Consumable Management System

Storage capability is more than 20,000 test extended unlimitedly.
Visible QC graph can be stored ,
Bar code scanning funcion if designed for patient information input, and consumables management such as reagent, electrodes and QC ... ect.

Intelligent

.. All-in-one mode simplifies mainternance
.. Self-diagnostic and self-adjustment functions ion the main parts
.. Gas&liquid alternate flush mode with exclusive cleaning formula to eliminate the blockage
.. Liquid level detection and probe collision protection in auto-sample
.. Both primary tube and cuvette are available
.. Built-in bar code scan
.. Omni-scan(Scanning in 360°) for big sampler
..Rapid test on ISE only 25 seconds

Economic

.. Patent electrodes with long lifespan, anti-jamming and anti-polution
..High accuracy with long life TCO2, sensor
.. Sleep mode can be customized according to the workload
.. Competitive cost per test

Navigation Funcion

.. Online help provide more operation guides

Random Parameter Configuration (Auto sample is optinal)