



Piccolo Chem

Technical Specifications <i>Piccolo Chem</i>	
System Type	Fully Automatic , Random Access , STAT sample priority
Throughput	Up to 150 tests / hour
Analysis Methods	Endpoint (Bichromatic-Differential-Sample blank), Kinetics, Fixed-Time, Turbidimetry
Calibration Curve	Linear, Non Linear, Cubic - Spline, Multi Point, Log - Logit
Sample Type	Serum , Plasma , Urine , CSF
Sample Positions	Removable Rack with 10 positions - Optional configuration with 20 sample positions
Sample Volume	2 - 300 µl
Sample Cuvettes	Tubes of 12 - 13 mm , 5 - 7 mL - Sample cups of 1 mL (cups require a metal adapter)
Sample Dilution	Yes - Automatic by software
Stat Samples	Yes
Sampling Technology	Capacitive Liquid Level Detection
Sample Barcode	Optional by hand barcode reader
Reagent Positions	Removable Rack with 20 Reagent positions - Optional configuration with 10 positions
Reagent Volume	2 - 350 µl
Reagent Bottles	15 ml and 35 ml
Pipetting Technology	Capacitive Liquid Level Detection
Reagent Storage	Optional Reagent Cooling for Reagent Rack
Reagent Barcode	Optional by hand barcode reader
Power Supply	100 - 240 Vac, 50 / 60 Hz, single phase with ground
Size / Weight	38 x 60 x 40 cm (W x D x H) , 19 kg
Reaction Cuvettes	4 reaction segments of 24, single use optical cuvettes, total 96
Reaction Volume	275 - 500 µl
Reaction Time	Up to 11 min
Reaction Temperature	38°C ± 0.1°C
Optical Source	1 halogen lamp (6 V, 10 W) with extended UV emission
Optical Range	0 - 3 Abs Linearity ±0.5% from 0.1 to 1.5 Abs
Optical Path	9.5 mm
Wavelength	8 interference filters of 340, 405, 505, 546, 578, 600, 650, 700 nm, 1 free position, 1 solid position for dark reading
Photo - Amplifier	Photoelectric detector, Signal amplifier, response range, 340 nm to 900 nm
Diluter Syringe	368 µl capacity , long-life syringe
Hydraulic System	2 self-priming peristaltic pumps (life 800 hrs), Pinch Valve
Needle Wash	Internal and external with system solution
Run / Reaction Monitor	Operation status monitor on screen
Quality Control	Levey - Jennings Graphics - Westgard Algorithm
External Computer	(Min. requirements) Intel i3 family, 4 Gb ram, 1280 x 768 resolution, Windows 7, 8 or Windows 10 with .NET framework 4.6
Connections	Ethernet LAN port for LIS host communication, USB port for analyzer connection
Printer	External Printer
Environmental	16 - 30 °C, < 80 % humidity



Piccolo Chem
watch the descriptive video

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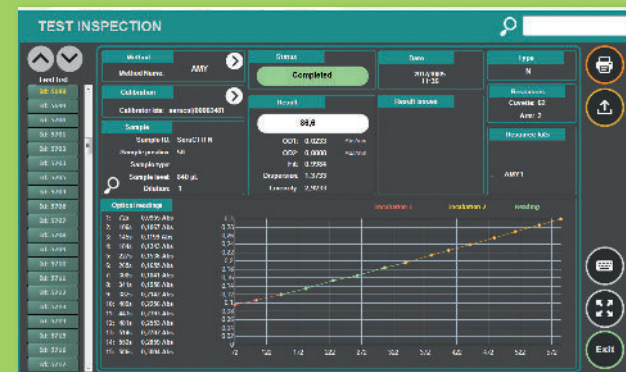
Small outside big inside
Clinical Chemistry Autoanalyzer

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Piccolo Chem

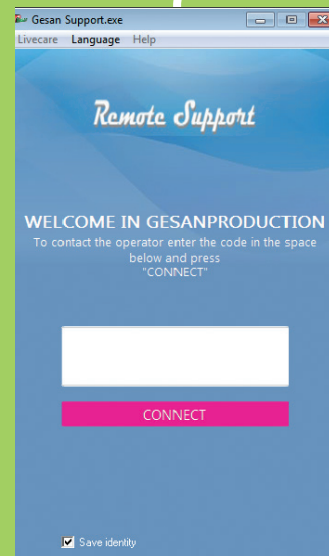
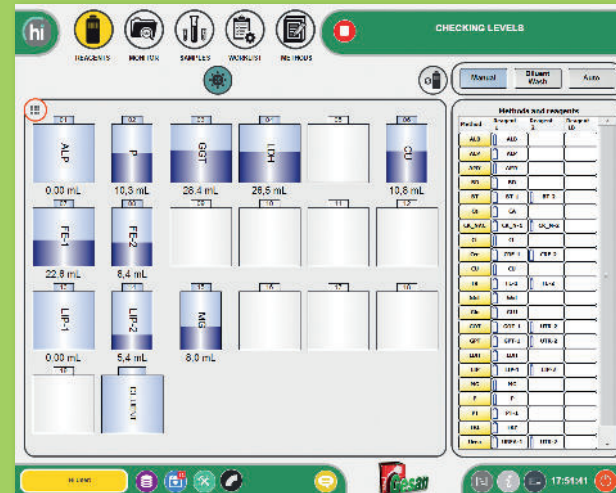
- Touch Screen Technology
- Automatic Pre - Post Dilutions
- Re-calculation of results
- Archive: Sample - Calibration - QC
- Incompatibility function
- Programmable wash operations



- Up to 150 tests / hour capacity
- Reagent rack with 20 positions
- Continuous loading
- Pipetting needle with level detecting

- Monitoring of Reagent Status
- Monitoring of Sample Status - Results
- Monitoring of Reaction Status
- Monitoring of Calibration Status - Results
- Monitoring of QC Status – Results

Piccolo is the Italian word for small. And Piccolo Chem is small in size, but not inside. It's the smallest analyzer with the greatest potential in the category, ideal for daily routine and special routine.



Online remote support

FULL LIST OF DEDICATED PARAMETERS

Liquid Stable | Ready to Use | High Quality | Validated | Barcoded Reagents

Routine and Special Parameters

- ACE
- Acid Phosphatase
- Acid Citric / Oxalic
- ADA
- Albumin
- Aldolase
- Alkaline Phosphatase
- Amylase / Amy Pancreatic
- Antithrombin III
- ALT-GPT
- AST-GOT
- APO A1 / APO B
- ASO / CRP / RF
- α - 1 Antitrypsin
- α - 1 Acid Glycoprotein
- β - 2 Microglobulin
- Bicarbonate CO₂
- Bile Acids
- Bilirubin Direct / Total
- Calprotectin
- Calcium CPC / Arsenazo III
- Calcium Direct Free - Ca⁺⁺
- Cholesterol
- Cholesterol HDL / LDL Direct
- Cholinesterase
- Chloride
- CK-NAK
- CK - MB
- Copper
- Creatinine Jaffe / UV
- C3 / C4
- Cystatin C
- Dibucaine

- Ferritin
- Fructosamine
- G6PD
- GSP
- Gamma GT
- Glucose
- Haptoglobin
- HbA_{1c}
- HGB
- Homocystein
- Iodide
- IgA / IgE / IgG / IgM
- Iron / TIBC
- Lambda / Kappa Chain
- Lp (a)
- Lactate
- Lipase
- Lithium
- LDH
- Magnesium Xylidyl / UV
- Microalbumin
- Phosphorous
- Potassium
- Precalcitonin
- Sodium
- Transferrin
- Total Protein
- Tryglicerides
- Urea Color / UV
- Uric Acid
- Urinary Proteins
- Vitamin D
- Zinc

D O A Parameters

- Alcohol
- Amphetamine
- Barbiturates
- Benzodiazepine
- Cocaine Metabolite
- Ecstasy (MDMA)
- Methadone
- Opiates
- THC (Cannabis)

T D M Parameters

- Digoxin
- Carbamazapine
- Phenobarbital
- Phenytoin
- Valproic Acid

