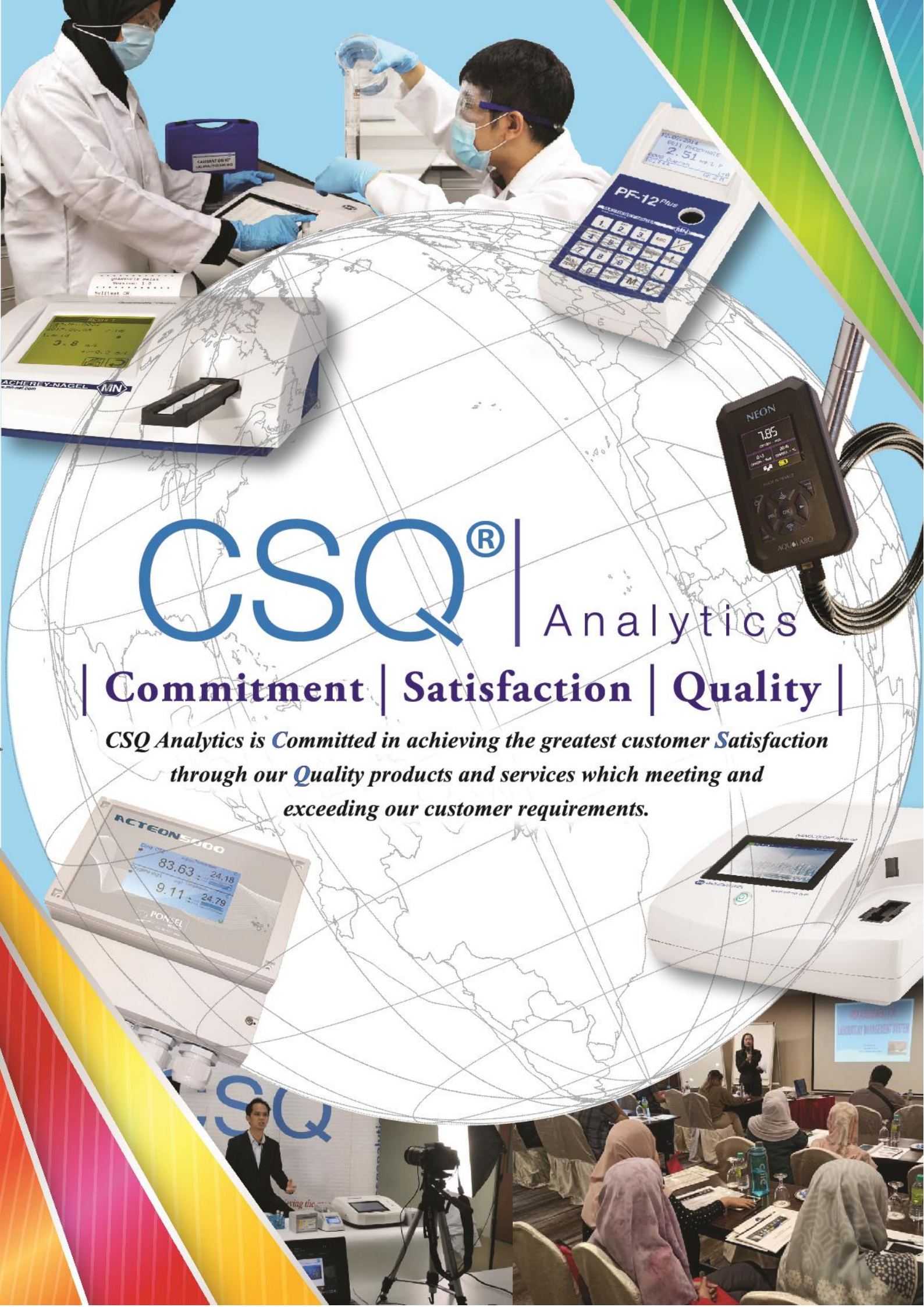




CSQ[®] | Analytics

| Commitment | Satisfaction | Quality |

*CSQ Analytics is **Committed** in achieving the greatest customer **Satisfaction** through our **Quality** products and services which meeting and exceeding our customer requirements.*



About Us

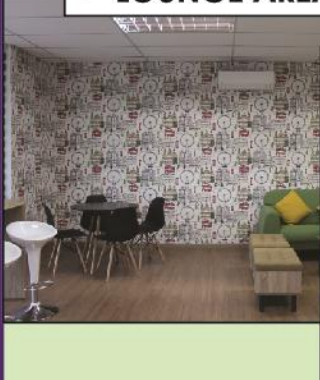
CSQ Analytics Sdn. Bhd., a member of CSQ Group, is formed by a dedicated team of technical & experience expertise that offers a complete range of analysis/testing kits, apparatus, equipments and consumables for Environmental Analysis, Water & Wastewater Analysis, Microbiology Analysis, Filtration, Chromatography, Liquid Handling, general laboratory equipments, glassware & etc.

We are providing related consultation & training services for Laboratory & Testing Set-up, Management System Certification, Laboratory Accreditation, Business & People Management and Development Soft Skill Training Programme & etc.

Besides, our calibration laboratory is ISO/IEC 17025 Accredited to provide accurate & reliable calibration services & results.

We have expanded our facilities to support customer needs, in a competent environment.

• LOUNGE AREA •



• TRAINING ROOM •



• LABORATORY •



• WORKSHOP •



Based on the principles of innovative approach & entrepreneurial vision, ISOLAB is dedicated to provide latest products & solutions to its customers for Daily works in universities, institutions, laboratories, research & applications in various industries. The success achieved in laboratory consumables is a clear evidence of that customer trust.



Volumetric Measurement & Liquid Handling



Lab Consumables & Labware



Distillation, Filtration, Separation & Sample Preparation



Life Sciences, Microscopy & Microbiology



MACHERY-NAGEL (MN) is a globally operating company with stable growth. MN comprehensive line of laboratory supplies includes products for Filtration, Rapid Tests, Water Analysis and Chromatography. MN is proud to carry more than 20,000 products designed and manufactured to fill your individual needs.



WATER ANALYSIS

Photometric Water Analysis | Colorimetric & Titrimetric Test Kits



NANOCOLOR® VIS II

Smart photometry

- Revolutionary user experience by 10 inch HD touch screen display
- Integrated turbidity measurement (NTU-Check)
- Internal quality control functions
- CIE-conform color measurements & analyses
- Integrated inspection equipment monitoring tools



NUCLEOSIL®

Standard silica for HPLC

- One of the 1st spherical silicas used in HPLC
- Developed in the early 70s, it became world-renowned HPLC packing
- Still found in many analytical & preparative applications, it is an absolutely reliable choice in HPLC
- Largest variety of modified HPLC silicas available

FILTRATION

Filter Circles | Folded Filters | Technical Cuts | Bulk | Extraction Thimbles | Membranes



CHROMATOGRAPHY

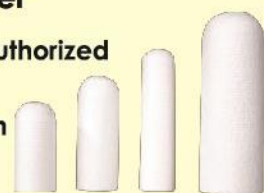


SPE & Flash | HPLC | Vials & Caps | TLC | GC | Syringe Filters

Extraction Thimbles

Pure filter power

- Often used in Soxhlet extractors or authorized extractors. These are typically employed, where multiple extraction cycles are required to dissolve the desired compound
- Extraction units equipped with MN extraction thimbles minimize the hands-on time and ensure a complete extraction



pH-Fix

Unmatched pH test strips



- pH-determination quick, easy, safe
- Redesigned packages for easy handling
- CE-mark for medical applications

RAPID TESTS



Test papers | Test strips | pH-Fix | QUANTOFIX® | AQUADUR® | PEHANON® | DiaQuant®

The family owned company Boeckel + Co (GmbH + Co) KG was founded in 1929 & now exists in the 3rd generation. To Boeco's customers in all 5 continents, Boeco are pleased to introduce the extended & updated complete line of laboratory equipment & consumables. Boeco offer high quality at competitive prices by a convenient & cost-effective one-stop supply.



BOECO Balances

Our Standard Analytical balances with automatic internal calibration

The Plus Version with: display with enlarged characters, keypad with quick access buttons, communication interfaces 2 x USB (1 x to work with printers with PCL protocol) (and optional WIFI)

- Functions: autotest, dosing, percent weighing, totalizing, parts counting, peak hold, Newton unit measurement, statistics, checkweighing, under hook weighing, GLP procedures, animal weighing, pipettes calibration, density determination.



Specifications

Max. capacity
Minimal load
Readability
Repeatability
Linearity
Pan size
Stabilization time
Calibration Internal
Netweight/Grossweight

BAS 31 plus

220 g
0.01 g
0.0001 g
0.0001 g
± 0.0002 g
Ø 100 mm
3.5 sec
Internal (automatic)
5.6 kgs / 9.5kgs

BAS 32 plus

110 g
0.01 g
0.0001 g
0.0001 g
± 0.0002 g
Ø 100 mm
3.5 sec
Internal (automatic)
5.6 kgs / 9.5kgs

BOECO Water Bath PWB-8

Easy operation and small foot print are designed for chemical, pharmaceutical, medical and biological routine laboratory use and as well as for research purpose.

- Overheat Protection: The power will automatically be turned off when the internal temperature is over 110°C

Specification

Cap. Range:
Temp. Setting:
Uniformity:
Fluctuation of
Temp.:
Heating Time:

PWB-8

Room Temperature +5°C..+99.9°C
0.1°C
± 0.2°C (37°C)
± 0.5°C (RT +5-80°C)
± 0.8°C (80-99.9°C)
≤ 100 min (from 30°C to 90°C at RT 25°C)



Pressureless Deionizer DS 450



Pressureless ion exchanger in disposable cartridges of synthetic material. Excellently suited for medical practices and small laboratories requiring up to 10 litres a day. Supplied with conductivity meter, wall mount and set of hoses.

Specification:

Flow rate: 50 l/h
Capacity at 100 GSG: 425 l
Quality: 0.1-20 µS/cm
Temperature max: 30°C
Material: Polyethylene
Size: 100 x 600 mm (incl. cond. meter)
Weight: 3 kg

BOECO Moisture Analyzer BMA H50, BMA I50



Specifications

Heating Module
Range of Drying temp
Max. capacity
Readability
Max mass sampling
Accuracy of moisture reading
Repeatability
Max. height of tested sample
Pan size
Drying modes
Auto switch off options
Netweight/Grossweight

BMA H50

Halogen emitter
250°
50 g
0.001
50 g
0.001 %
0.05 % (sample < 2 g)
0.01 % (sample < 10 g)
h = 20 mm
Ø 90 mm, h = 8 mm
4 drying modes (standard, quick, step, mild)
4 options (manual, automatic, time defined, user-defined)
4.9 kgs / 6.4 kgs

BMA I50

Infrared emitter
160°C
50 g
0.001
50 g
0.001 %
0.05 % (sample < 2 g)
0.01 % (sample < 10 g)
h = 20 mm
Ø 90 mm, h = 8 mm
4 drying modes (standard, quick, step, mild)
4 options (manual, automatic, time defined, user-defined)
4.9 kgs / 6.4 kgs

BOECO Micropipette SA Series



BOECO SA Series single- & multichannel Micropipettes are the standard fully autoclavable Pipettes, which due to their high accuracy & precision, robustness quality & fantastic ergonomic design make them an excellent price value pipette for all laboratory needs all over the world

Features:

- Completely autoclavable at 121°C
- Ergonomic design
- Tip Ejector, for smooth ejection of the tip*
- Precise setting of the selected volume ensures accurate aspiration & dispensing of the liquid
- Grip made out of TPE (Thermo Plasto Elastomer) prevents transfer of heat to internal components ensuring accurate pipette operation even on continuous use
- Good chemical & UV-light resistance

BOECO Vortex Mixer V1 Plus

Vortex mixer V1 plus with variable speed control. Continuous operation as well as with automatic starter, triggered by pressing the attachment. Incl. standard attachment for test tubes up to 20 mm ø.



Specification:

Kind of motion:
Speed range:
Time of acceleration:
Tube's capacity:
Speed display:
Switch:

orbital, 4 mm
750 - 3000 rpm.
3 sec.
1.5-50ml
scale (min/max)
touch / continuous mode

BOECO Vacuum Pumps R-300, R-400



Piston-powered, oil-free vacuum pumps, adaptable to many laboratory.

- quiet & low vibration
- compact & light weight

Specification

	R-300	R-400
Max. vacuum:	650 mm Hg = 85.5Pa = 110Torr	
Max flow rate:	17 l/min 20 l/min	34 l/min 37 l/min
Horse power:	1/8 HP	1/6 HP
Pole:		4 P
Net weight:	4.1 kg	6.2 kg
Port thread:		5/16 inch
Noise level:		50db

BOECO Overhead Stirrers OST-25 / OST-40



- With digital display
- Compact size
- Brushless DC maintenance free long life motor
- The speed will remain constant even with changing viscosities
- Suitable for viscosities 10.000 and 30.000 mPas and volumes (25/40l)

Specifications

	OST-25 25l	OST-40 40l
Stirring quantity (H ₂ O)	10.000 mPas	30.000 mPas
Max. viscosity	59 W / 45 W	42 W
Motor rating input/output	100%	100%
Output at stirring shaft	20 Ncm	40 Ncm
Max. ON-time	50-2.000 rpm	50-1.000 rpm
Speed range		digital (LED)
Speed display		stepless
Speed control		± 1 rpm
Setting accuracy speed		yes
Reversible direction of rotation		yes
Power intermittent operation	yes, (resumes from last run)	
Chuck range	0.7 - 10 mm	
Timer setting range	1 min - 99 hr 59 min & continuous.	
Protection	Overload, overcurrent, overtemperature	

Magnetic Stirrer with Hotplate MSH 420



Bottle-top Burette

Rotator Bio RS-24



Digital Hand Refractometer

Universal Orbital Shaker PSU-10i



Programmable Orbital Shaker PSU-15i

Snoltherm, UAB has been producing heat treatment equipment for laboratory & industrial applications since 1960. They pay particular attention to the product development by using advanced technologies & scientific innovations in order to meet individual user needs. Highly qualified personnel & premium materials result in high quality, reliability, & durability of the manufactured products.

SNOL



SNOL - FURNACE

Muffles Furnaces with Fiber-insulated Chambers

- High accuracy laboratory electric furnaces
- Designed for hardening, loosing, normalizing & other thermal processing up to a temperature of 1100°C or 1300°C
- Excellent for scientific laboratories, educational institutions, medicine and industry

SNOL - INCUBATOR



Precise temperature-controlled incubators are used for incubation & other temperature-sensitive thermal processes up to 100 °C, such as growing bacteria or other microorganisms, cultures or drying glassware.

SNOL - OVEN



Chamber Ovens up to 300°C

- Laboratory ovens designed for thermal processing materials up to temperature of 300°C
- Used for processes such as drying, heating, thermal testing & aging in an air environment.
- Forced air circulation allows a homogenous temperature distribution to be achieved during all processes, which ensures optimal results.



NEW Line



Covering three product groups: Pipetting, Consumables and Benchtop Instruments, CAPP offers a total solution for user lab needs. CAPP motto is to continue to deliver a full line of liquid measurement instruments of the same robust design and highest standard of precision that has made CAPP pipettes the instrument of choice in many critical laboratories worldwide.

CAPP

CAPP Wash



Whether you work in a research or clinical laboratory, the compact CAPP Wash Microplate Washer is the ideal washing tool for small scale immuno assays. CAPP Wash is a perfect alternative to dependence on department washers for washing microplates & strips.

Features:

- CAPPWash Microplate Washer performs uniformly & efficiently every time
- Washing is simple. Simply lower the tubes into the well, then push the knob to fill & release the knob to empty. Repeat for the desired number of washings & move on to the next row
- Matches all well types.
- Available in 8-channel, 12-channel & 16-channel versions, as well as a 6-channel TubeWash manual washer for 12 x 75mm test tubes
- Produced from high-grade stainless steel and polypropylene, the washer is fully autoclavable as well as highly resistant to aggressive chemicals.
- Unique Two-in-One Design: Each tube consists of an inner tube that releases the distilled water washing solution into the wells for rinsing, while the outer tube vacuums away the liquid upon completion of the washing procedure

CAPP Rondo Universal Centrifuge



CAPP Rondo Universal Centrifuge has been developed after much research of user feedback & expectations. Occupying a minimal amount of bench space, it offers powerful & efficient centrifugation whilst maintaining a high performance over a long time of use.

Specifications

Speed Range

Motor Type
Remote Operation
Display
Timer Setting
Programmable
Imbalance Detection
Rotors (optional)

500 – 4.500 RPM / (g) varies per rotor type
Brushless DC motor (BLDC)
Yes, via USB
Yes, large LED Display
from 1 to 999 mins or infinite mode
Yes, up to 99 programs
Yes
Multiple rotor options (swing-out & fixed-angle rotors)

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AQUALABO designs, manufactures & markets a wide range of water analysis & testing devices & instruments. Their philosophy, their added value: Water analysis is simple, economic, energy efficient & reliable. Its multiple brands PONSEL, AQUALYSE, SECOMAM & ORCHIDIS offer the solutions tailored to the user water management requirements. AQUALABO is also exclusive partners of Supratech Instrumentation, Germany & microLAN BV, Netherlands.

AQUALABO
GROUP

PONSEL
AQUALABO GROUP

ODEON

Handheld numerical devices dedicated to water quality control on the field or in the laboratory.

- Optical Sensors (Oxygen, Turbidity/TSS) and electrochemical (pH, ORP, temperature, conductivity)

Specifications

Memory	8MB (up to more than 100,00 records)
Power supply	4x1.5V AA • Options: • Rechargeable Battery • Power. External 12V
Batter life	145-190 hours depending on the configuration
Communication	USB
Housing	PC/ABS
Dimension & Weight	196.5x121x46 mm, 400g
Protection	IP 67
Operating temperature	humidity -25 to 50°C, 0-70%
Storage temperature	humidity -25 to 65°C, 0-80%
Display	LCD 4 « 240x320 pixel display with adjustable backlighting
Connectors	• 1 connector: ODEON CLASSIC & ODEON OPEN ONE • 2 connectors: ODEON OPEN X



PONSEL
AQUALABO GROUP

ACTEON 5000

Multiparameters digital transmitter in the field

- ACTEON 5000 allows connection from 2 digital sensors of the range PONSEL MESURE for monitoring parameters pH, ORP, temperature, dissolved oxygen (optically), conductivity, salinity, turbidity (NTU, mg/L), UV254, TOC, COD, BOD, Suspended Solid (g/L), Sludge Blanket detection (%) ...

Technical data

Digital sensor	2 inputs digital sensor RS485
2 analog input	In mode 0/4-20 mA or 0-10 V
2 relay input	Function of transfer on exit(release) TOR
	Information of external cleaning system: swing in maintenance mode
2 analog outputs	Choice of 2 parameters programmable according to the connected sensor
	Programming PID
2 digital outputs/relay	NO/NF customizable
	Instruction point: setting of the measuring range (Hysteresis / activation way) and time of activation
	Command for external cleaning system
	Output alarm for defect material sensor



PONSEL
AQUALABO GROUP

PHEHT/pH, ORP & Temperature

DIGITAL technology for optimized measures

- The PHEH sensor has been designed to perform under hard conditions from pure mountains water with conductivity as low as 20 $\mu\text{S}/\text{cm}$, lakes & rivers (100-2000 $\mu\text{S}/\text{cm}$), seawater with conductivities of 50 mS/cm & to wastewater with conductivity higher than 200 mS/cm. Range:
- pH: 0 to 14 units
- ORP: -1000 to +1000 mV;
- °C: -10°C to +50°C



PONSEL
AQUALABO GROUP

Nephelometric Turbidity/TSS

Optical technology for optimized measures

- The measure principle is based on IR nephelometry / 850 nm. The sensor can be calibrated with a formazine standard solution. Range:
- 0 to 4000 NTU in 5 ranges (0-50 NTU; 0-200 NTU; 0-1000 NTU; 0-4000 NTU; AUTOMATIC)
- 0 to 4500 mg/L Calibration: Range 0-500 mg/L according to NF EN 872; Range >500mg/L according to NF T 90 105 2



PONSEL
AQUALABO GROUP

Digital MES 5/VB5:

Measurement of MES, Turbidity

- The measuring principle is based on the attenuation of IR signal through an optical shot. The sensor delivers measurement in MES (g/l), Turbidity (FAU) & Sludge blanket in % of IR transmission. Range:
- MES 0-50 g/L, Turbidity: 0-4000 FAU, Mud sail: 0-100% MES



PONSEL
AQUALABO GROUP

OPTOD: Optical Dissolved Oxygen

Optical technology for optimized measurements

- Meets the demands of field works & short term campaigns.
- Allows to measure accurately in all situation & especially in very low oxygen concentrations. Range:
- 0.00 to 20.00 mg/L
- 0.00 to 20.00 ppm
- 0 - 200%
- Stainless steel



PONSEL
AQUALABO GROUP

C4E: Conductivity/Salinity

DIGITAL technology for optimized measures

- The electrode works with a technology in 4 electrodes: an alternating current of constant-voltage is established between a primary's pair of electrodes in graphite. The secondary's electrodes in platinum allow of regulate the voltage imposed to primary's electrodes to reflect of the fouling. The voltage measured between the primary's electrodes is in function of the resistance of place and so, of the conductivity. Range:
- 0 - 200.0 $\mu\text{S}/\text{cm}$
- 0 - 2000 $\mu\text{S}/\text{cm}$
- 0.00 - 20.00 mS/cm
- 0.0 - 200.0 mS/cm



PONSEL
AQUALABO GROUP

STACSENSE Probe

UV Optical Technology for optimal measurements

- UV 254 special absorption without any reagents or consummable
- Multi-parameter measurement: SAC₂₅₄, CODEq, TOCeq & BODEq, Turbidity eq
- Modbus RS-485 digital communication
- Automatic Turbidity compensation

Specification

Measurement principle	UV 254nm absorption
Compensation	Turbidity at 530 nm, internal temperature
Wave lengths	254 nm (turbidity correction at 530 nm)
Type of detector	Silicon Photodiode
Light source	LED UV 254+/- 5nm & 530 +/- 5nm
Optical paths	max. 1 measurement/2s
Measurement frequency	2 & 50 mm
Ingress Protection rating	IP68
Max. immersion depth	50 meters
Maximum pressure	5 bars



PONSEL
AQUALABO GROUP

LowTus

Online Low Turbidity Digital Sensor for drinking water applications

Advantages:

- Nephelometric 90 degree light scattering method - ISO 7027
- Ranges 0-10; 0-100 NTU
- Digital communication Modbus RS-485
- Self-cleaning of the optical measuring cell
- Quick check with Tare Solide



PONSEL
AQUALABO GROUP

Tripod

Numerical Multiparameter Probe numerical technology fir enhanced reliability measures

Advantages:

- Measures up to 8 parameters simultaneously (3 sensors)
- Optical oxygen measurement technology
- Modbus RS-485 and SDI12 digital communication
- Compact, robust and waterproof probe



PONSEL Aqua Connect'

Autonomous wireless real-time communication solution for Digisens Ponsel digital sensors

Aqua Connect' allows to follow in real time, the measures made by the digital sensors Digisens of the brand Ponsel on the parameters Temperature, Oxygen, pH, conductivity, Salinity, Redox, Turbidity, SS, Sludge Blanket, COD, BOD, TOC. Every sensor is connected on AquaMod', which records the data stemming from the digital sensor. The measures are transmitted in a gateway: AquaGat', via an independent local area network LoRaWAN.



AquaMod'

- A tight, autonomous wireless module allowing to collect the data measured by sensor
- Simple to install and preconfigured in factory - immediately operational
- Configuration and diagnostic in local via WIFI & Web application

AquaGat'

- A concentrator of data which receives the information sent by AquaMod' on the network LORA®.
- It transmits data on the Internet (Ethernet, WiFi), towards the server AquaCloud'.

AquaCloud'

- Data mining, this concentrates & records the data collected by sensors.



NEON-OPTOD



DIGITAL New portable field oximeter for dissolved oxygen & temperature measurements

Measuring range:

Oxygen: 0.00 to 20.00 mg/L
0.00 to 20.00 ppm
0-200 %

Temperature: 0.00 – 50.00 °C

NEON-C4E



For Conductivity, TDS, Salinity & Temperature

Measuring range:

Conductivity: 0.0 – 200.0 mS/cm

Temperature: 0.00 – 50.00 °C

Salinity: 5-60 g/Kg

TDS (KCl): 0-133,000 ppm

Neon Advantages

- Intuitive, simple & quick to use: immediate handling
- Robust, waterproof IP67 & lightweight.
- Digital sensor technology: measurement reliability
- 30,000 Data recording & transfer via Wifi

NEON-NTU/TSS



For Turbidity, TSS & Temperature

Measuring range:

Turbidity: 5 - 4000 NTU

Temperature: 0.00 – 50.00 °C

TSS: 5 - 4500 mg/L

NEON-PHEHT



For pH, ORP & Temperature

Measuring range:

pH: 0.00 - 14.00
(compensated at 25°C)

Temperature: 0.00 – 50.00 °C

Redox: -1000.0 to +1000.0 mV

NEON-VB5



For Temperature & Mud Veil in the settling works

Measuring range:

Sludge Blanket: 0-100 %

Temperature: 0.00 – 50.00 °C

CSQ Laboratory



SAMM 915

CSQ Laboratory (Calibration Laboratory) under CSQ Analytics is granted ISO/IEC 17025:2017 Accreditation by Standards Malaysia, with SAMM No. 915.

We offer calibration for various instruments such as heating block, pH meter, spectrophotometer, DO meter, Turbidity meter and more. This included on-site calibration services performed by our experienced engineers and technicians that allow customer to schedule calibration services at once.





SME SERVICE EXCELLENCE AWARD
PLATINUM BUSINESS AWARD 2020

CONSULTATION & TRAINING PROGRAMME

CSQ Analytics is **HRD Corp** registered Training Provider. We provide related consultation & training programme for:

(1) Management System towards Certification / Accreditation:

- ISO 9001
- ISO/IEC 17025
- ISO 45001
- ISO 14001
- HACCP / ISO 22000 / FSSC 22000
- And etc

(2) Management System Implementation and Maintenance / Upgrading / Scope Extension

- Management System Standard Requirements
- Management System Documentations
- Risk & Opportunity Assessment; Environmental Aspect, Impact & Risk Assessment; Hazard Identification and Assessment of Risk & Opportunity
- Method Verification and Validation; Evaluation of Measurement Uncertainty
- Internal Audit
- And etc

(3) Environmental, Safety & Health:

- Occupational Safety and Health Act (OSHA) and related Regulations
- Environmental Quality Act (EQA) and related Regulations
- Environmental Aspect and Impact Assessment
- Occupational Safety and Health (OSH) Risk Management / Industry Code of Practice (ICOP)
- Chemicals and Chemical Waste Management; Scheduled Waste Management
- Safety Data Sheet (SDS)
- Wastewater Performance Monitoring; Industrial Effluent Treatment System (IETS)
- And etc

(4) Testing Set-up

(5) Business and People Management & Development Soft Skill Training

Contact us for further details or
customized Consultation and
Training Programme!

Check out our training list via QR code:



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