



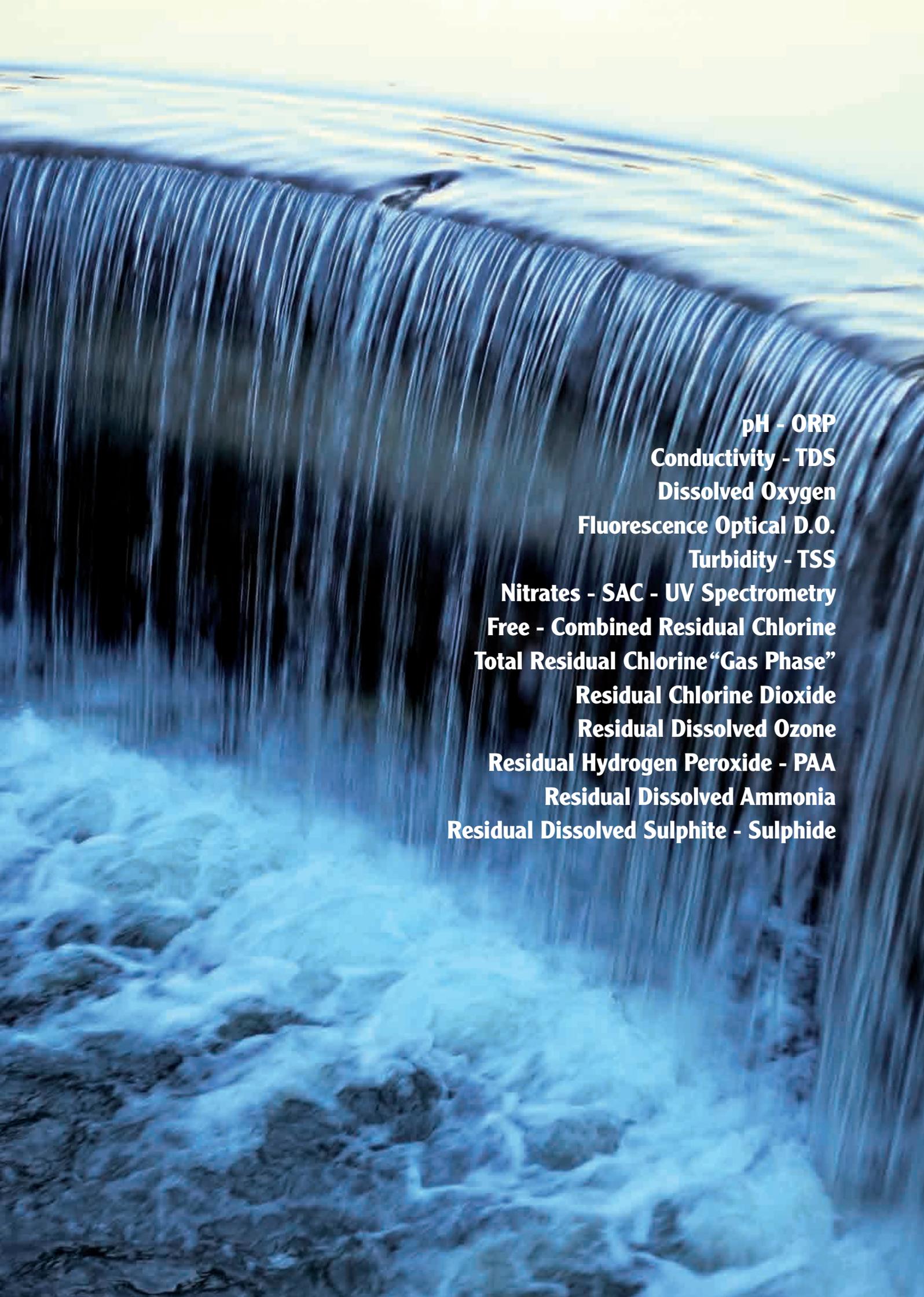
Liquid Analyzers & Sensors

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pH - ORP
Conductivity - TDS
Dissolved Oxygen
Fluorescence Optical D.O.
Turbidity - TSS
Nitrates - SAC - UV Spectrometry
Free - Combined Residual Chlorine
Total Residual Chlorine "Gas Phase"
Residual Chlorine Dioxide
Residual Dissolved Ozone
Residual Hydrogen Peroxide - PAA
Residual Dissolved Ammonia
Residual Dissolved Sulphite - Sulphide



B&C Electronics srl was founded in 1974 with the goal of manufacturing reliable equipment for water analysis and for industrial process control. Since the beginning, the Company had a constant growth in both products manufacturing and Customer Satisfaction, and it soon became able to fulfill the requests of both a national and international marketplace.

In 1998, the company was certified **ISO 9001** by CISQ – IQNET.

Total Quality and the EFQM model of excellence have been the leading elements of the B&C Electronics' Quality System ever since.

Today, the products range is second to none, and the Company is among the leading manufacturers of liquid analyzers and sensors worldwide.

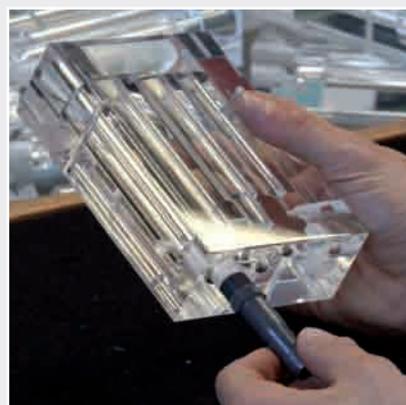
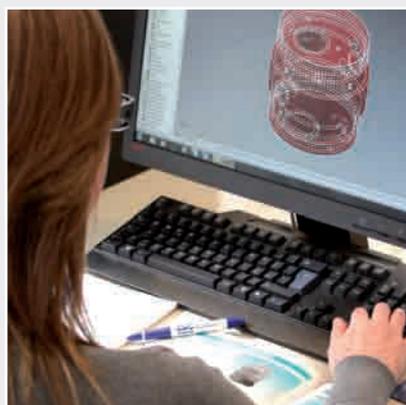
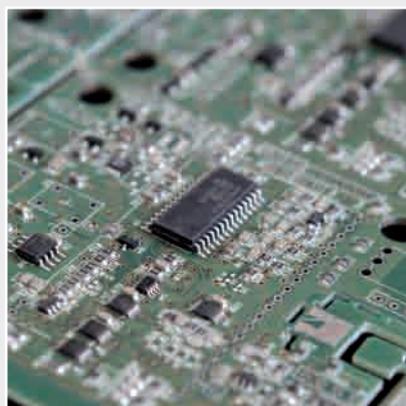
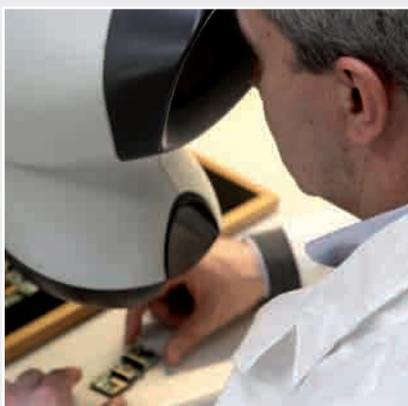
Our goal is to meet the implicit demand of each Customer, and this is why we address all of our energy toward Customer Satisfaction. Being a Certified Company, we strive to be competitive and to assure each Customer of our product's reliability. We believe that Quality is not an option nor a luxury, but rather an investment aimed at having more and more satisfied Customers, who know that B&C Electronics guarantees quality and reliability.

Total Quality is a concrete and daily effort toward a “continuous improvement”.
For this, our Quality system includes every aspect and every department of the B&C Electronics:

- R&D constantly develops and updates our products by focusing its attention on quality, reliability, functionality, ease of use and cost.
- Manufacturing is monitored throughout all steps and is accompanied by documentation for traceability.
- All products are tested and factory calibrated before shipment.
- A free of charge Technical Support telephone service is available to all Customers.
- Our Staff is regularly trained during periodicals meetings performed in order to maintain the quality of our production process and the sales of our products.
- The numerous data collected by our system allow us to monitor the objectives set by all Company’s departments, which also include Purchasing, Shipping and Accounting.

During its 40 years of business, B&C Electronics has built strong partnerships with International Distributors and Agents. The Italian Headquarter sells all over the World, but it also relays on the precious help and assistance of its global Partners.

Local Dealers and Customers are present on all 5 continents and their major countries.





B&C Electronics products work in specific industries and cover many applications. The technology used assists many companies to operate in the most effective and efficient ways. This saves the user money and time to concentrate on their raw strengths.

The technical features of our Sensors and the performance of most of the Analyzers make them very flexible and they can be used even for highly customized applications, with destination to the OEM market.

The long experience of our Staff on specific chemical and physical applications, and the knowledge of electrochemical water treatment and industrial processes in general, provide to our customers a valid technical and commercial support for choosing the right product for their needs.

The technical development and the continuous improvement required by our Quality System drives us to constantly expand the application possibilities of our instrumentation.

Starting from pH, ORP and Conductivity we developed great experience in liquid analyzers, allowing us to later diversify into several different models of equipment with a wide range of sensors and electrodes. In recent years, we completed a whole series of analyzers and sensors, for disinfection and control of primary and waste water.

Aquaculture
Biotechnology
Chemical Industry
Drinking Water
Electroplating
Environmental Monitoring
Fertirrigation
Food and Beverage
Geology
Laboratory

Paper and Pulp
Pharmaceutical
Printing Industry
Security
Surfaces Treatment
Swimming Pools
Textile Industry
Underground Water
University and Research
Water Treatment





6587 Series IP 65 Wall Mount Controllers

ABS watertight enclosure, with Polycarbonate front panel
Up to 3 inputs from analog Sensors or from 4...20 mA probes
Built-in data logger and USB port for downloading data
Graphic backlit display, RS 485 communication

MAIN TECHNICAL SPECIFICATIONS

Measures: pH -ORP - Conductivity - Temperature - Res. Chlorine - D.Ozone

Chlorine dioxide - Inputs +/- 4...20 mA

Two set-point relays On-Off, PID (PWM - PFM) functions

Alarm relay, adjustable high-low points and delay - AutoClean relay

Dual analog output, fully selectable 0/4...20 mA and programmable

Power supply: 85 - 264 Vac - Optional 9 - 36 Vdc or 24 Vac

Dimensions: 256 x 213 x 74 mm



7685 Series Panel Mount Controllers 96x96

The most complete and performing Analyzers Series
Wide range of parameters and functionality available
High reliability and precision, easy to use in all applications
One of the best performance/price ratio on the marketplace

MAIN TECHNICAL SPECIFICATIONS

Measures: pH - ORP - Conductivity - D.Oxygen - Res. Chlorine - D.Ozone

Chlorine dioxide - Turbidity - Dissolved Sulphite/Sulphide

Two set-point relays On-Off, PWM - PFM functions

Alarm relay, adjustable high-low points and delay - AutoClean relay

Power supply: 110/220 Vac

Dimensions: 96 x 96 x 155 mm



7635 Series Low Cost Panel Mount Controllers 96x96

Aluminium enclosure, only 95 mm depth
Red LED display with high visibility
High reliability and precision, easy to use in all applications
Sliding short messages on the display

MAIN TECHNICAL SPECIFICATIONS

Measures: pH - ORP - Conductivity - D.Oxygen - Res.Chlorine - D.Ozone

Other Inputs: +/- 4...20 mA signals

Two set-point relays On-Off

Alarm relay, adjustable high-low points and delay

Power supply: 85 - 264 Vac - Optional 9 - 36 Vdc or 24 Vac

Dimensions: 96 x 96 x 95 mm

7687 Series

IP 65 Panel Mount Controllers

Waterproof keyboard front panel, aluminum enclosure
 High reliability and precision, easy to use in all applications
 Built-in data logger and USB port for downloading data
 Graphic backlit display, RS 485 communication



MAIN TECHNICAL SPECIFICATIONS

Measures: pH - ORP - Conductivity - D.Oxygen - Res. Chlorine - D.Ozone
 Chlorine dioxide - Turbidity - Dissolved Sulphite/Sulphide - In +/- 4...20 mA
Two set-point relays On-Off, PID (PWM - PFM) functions
 Alarm relay, adjustable high-low points and delay – AutoClean relay
 Dual analog output, fully selectable 0/4...20 mA and programmable
Power supply: 85 - 264 Vac - Optional 9 - 36 Vdc or 24 Vac
Dimensions: 96 x 96 x 95 mm

3436 Series

Digital Rail Din Controllers

Compact size, modular and easy to use instruments
 High reliability, low installation costs
 Automatic or manual Temperature compensation RTD Pt100
 Alphanumeric LCD display - Detachable terminal blocks



MAIN TECHNICAL SPECIFICATIONS

Measures: pH - ORP - Conductivity – Temperature- Res.Chlorine - D.Ozone
 Analog out 4...20 mA isolated - Digital out RS 485 isolated ASCII - Modbus
Isolation: 1000 V input to output
Power supply: 9 - 36 Vdc
Dimensions: 71 x 95 x 58 mm (4 modules)

7335 Series

Low Cost Panel Mount Controllers 96x48

Aluminum enclosure, only 95 mm depth
 Red LED display with high visibility
 High reliability and precision, easy to use in all applications
 Sliding short messages on the display



MAIN TECHNICAL SPECIFICATIONS

Measures: pH - ORP - Conductivity - D.Oxygen - Res.Chlorine - D.Ozone
Other Inputs: +/- 4...20 mA signals
Two set-point relays On-Off
 Alarm relay, adjustable high-low points and delay
Power supply: 85 - 264 Vac - Optional 9 - 36 Vdc or 24 Vac
Dimensions: 96 x 48 x 95 mm



3630 Series Rail-Din Transmitters

Two wire 4...20 mA operation
Isolated current loop output
Automatic or manual Temperature compensation RTD Pt100
LCD display - Detachable terminal blocks

MAIN TECHNICAL SPECIFICATIONS

Measures: pH - ORP - Conductivity - D.Oxygen - Res.Chlorine - D.Ozone

Isolation: 500 V input to output

Power supply: 10 - 30 Vdc

Dimensions: 105 x 95 x 58 mm (6 modules)

Weight: 200 g



135 Series Handheld Meters

Microprocessor based, small dimensions, long battery life
Logging up to 100 measures
Alphanumeric LCD display
High accuracy and reliability

MAIN TECHNICAL SPECIFICATIONS

pH range: - 1,00 / 15,00

ORP range: -1200 / 1200 mV

Conductivity range: from 20,00 μ S to 200,0 mS with 5 scales

TDS range: from 10,00 ppm to 100,0 ppt with 5 scales

Temperature range: -10,0 / 110,0 °C and 32,0 / 212,0 °F



On-line Analyzers Chemistry Module - ISE - Polarographic

Based on 7685 and 7687 Series microprocessor Controllers
Gas-Phase, Ion Specific, Polarographic membranes technology
AutoCal features for ISE analyzers
High performance/price ratio on the marketplace

MAIN TECHNICAL SPECIFICATIONS

Total Chlorine gas-phase scales: 2,000 / 20,00 ppm Cl_2

Total Chlorine Wet Iodometric scales: 2,000 / 20,00 / 200,0 ppm Cl_2

Sulphite / Sulphide gas-phase scales: 2,000 / 20,00 ppm SO_3^- / S_2^-

ISE Electrodes: $NO_3^- / NH_4^+ / Cl^- / F^- / Ca^{2+} / Ca^{2+} Mg^{2+}$

Power supply: 110/220 Vac

8000 Series Multi Parameter Probes

Environmental and Industrial unattended continuous monitoring
 Models with built-in data logger and rechargeable batteries
 Depth to 350 meters - OEM models for external data loggers
 Digital communication with ASCII or Modbus protocol

MAIN TECHNICAL SPECIFICATIONS

STD measures: Level - Temperature - Conductivity - pH - ORP - D.Oxygen

Optional measures: Turbidity - ISE Chloride - ISE Ammonium - ISE Nitrate

Power supply: Internal 2,7 - 4,8 Vdc – External 12 Vdc max. 60 mA

Dimensions: length 510 mm diameter 70 mm or 44,5 mm

Weight: 2 Kg max.



Digital-Analog Probes 4...20 mA – RS 485 output isolated

All-in-one devices for easy single or multiple installations
 Programming and configuration by RS 485 / USB interface
 For submersible application, with built-in AutoClean system
 For in-line application, with fixed cable or 7-pin DL connector

MAIN TECHNICAL SPECIFICATIONS

Measures: Conductivity (analog only) – Turbidity – S.Solids - D.Oxygen optical

Power supply: 9 - 36 Vdc

Length: 165 mm

Diameter: 60 mm

Cable: standard length 10 m (max. 100 m)



UV Probes Nitrate – Nitric Nitrogen - SAC

Wide bandwidth spectrometric analyzer
 Built-in 4...20 mA – RS 485 output isolated
 Optical path with fully AutoClean features
 Automatic sample Turbidity and Organics compensation

MAIN TECHNICAL SPECIFICATIONS

(NO₂⁻) (NO₃⁻) – N scales: 2,50 / 25,0 / 250 mg/l

NO₃⁻ scales: 10,00 / 100,0 / 1.000 mg/l

Sensitivity: 0,01 mg/l

Lamp lifetime: 2.000 / 720.000 hours

Power supply: 11 - 36 Vdc





pH/ORP/ISE Sensors

Wide Range of Glass & Epoxy Body

Based on Sealed "gel" double junction reference technology
 Model resistant to wide range of Temperature - 20 °C to 125 °C
 Steam sterilizable and autoclavable for Biotechnologies
 Customized models for Retrofit or special applications

MAIN TECHNICAL SPECIFICATIONS

Length: 110 mm standard
Diameter: 12 mm standard
Fixed cable length: 1,5 m with BNC or 9 m without connector
Detachable lead connectors: DL / S7 / S8 (PG 13.5)
In-Line application up to 10 BAR

E. Conductivity Probes

Two and Four Electrodes

PVC, PP, PVDF, PEEK, PES and Stainless Steel body materials
 Models for high temperature up to 125 °C
 R.O. and ultrapure water applications
 Demi and Ion Exchange plants manufacturing



MAIN TECHNICAL SPECIFICATIONS

Cell constant: from K = 0,01 to 10 cm ⁻¹
Built-in RTD sensors: Pt 100 / Pt 1000 / NTC 10K
Process connection: threaded ½" - 1" BSP - ½" BSP - ¾" MNPT
Process connection: conical DIN 11851-52
Process connection: sanitary Tri-Clamp 2"

E. Conductivity Probes

Toroidal

PVC-C and PVDF body materials
 All-in-one devices with built-in Transmitter 4...20 mA – 2 wire
 Suitable for severe and harsh applications
 Special design for multi-points Cooling Towers monitoring



MAIN TECHNICAL SPECIFICATIONS

Cell constant: K = 1 cm ⁻¹ with local amplifier
Cell constant: K = 7 cm ⁻¹ without local amplifier
Built-in RTD sensors: Pt 100
Process connection: threaded 1 ½" MNPT - BSP 40 mm pitch 1,5
Process connection: conical DIN 11851-52

Turbidity-TSS Probes

Nephelometric - AutoClean

PVC and PVDF body materials

Amplified signals output dedicated to 7685 Series Controllers

For submersible application, with built-in AutoClean system

For in-line application, 7-pin DL connector

MAIN TECHNICAL SPECIFICATIONS

Turbidity scales: 4,000 / 40,00 / 400,0 / 4000 NTU

Optical: Infrared ISO 7027 or Tungsten solid state lamp USEPA 180.1

Diagnostic: for empty cell and dirty lens checking

AutoClean source: external clean compressed air, max. 3 BAR

Cable length: standard 10 m - 30 m (optional up to 100 m)



Cl₂ / ClO₂ / DO₃ / H₂O₂

Potentiostatic - Polarographic

Glass, Epoxy and PVDF body materials

Specific membranes / electrolyte for high selective measures

Free residual Chlorine and Combined residual Chlorine models

Overflow or In-Line measurements without chemicals addition

MAIN TECHNICAL SPECIFICATIONS

Built-in RTD sensors: Pt 100

Fixed cable length: 3 m without connector

Detachable lead cable length: 7,5 m multi wire

Potentiostatic dimensions: length 110 mm diameter 12 mm

Polarographic dimensions: length 60 mm diameter 33 mm (wetted parts)



D.Oxygen Probes

Optical - Membraned - AutoClean

PVC and PVDF body materials

Amplified signals output dedicated to 7685 Series Controllers

Galvanic and Polarographic membraned models

Optical with Fluorescence Quenching Technology

For submersible and in-line applications

MAIN TECHNICAL SPECIFICATIONS

Built-in RTD sensors: Pt 100

Replaceable membranes and sensing elements

AutoClean source: external clean compressed air, max. 3 BAR

Detachable lead cable length: 7,5 m multi wire

Fixed cable length: standard 10 m (optional up to 100 m)





**Ten good reasons
to choose
B&C Electronics
Products and Services.**

Quality Products

Qualified Customer Service

Stability in the Market Place for 40 years

Continuous and innovative R&D

Reliable Products and 5 Years Warranty

Experienced Technical Support

Extensive Quality Control

Fast Delivery

Competitive Prices

Private Label and Custom Products



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