

- **Gold Plated BNC**
- **2 Multiparamter Channels**
- **2 (3) Independable Control Systems**
- **Control types**
proportional
on/off
- **Safety Features**
Stop control without stopping measurements
Automatic Resume
Washing Program
Programmable alarm
- **Pre-programmed standards**
pH: 1.68, 2.00, 4.00, 4.01, 6.87, 6.99, 9.18, 9.21, 10.01, 12.00, 12.45 (at 25°C)
Conductivity: 1413 µS/cm, 12.88 mS/cm, 111.8 mS/cm (at 25°C)
- **No interference between electrodes**
- **Stability algorithm with intuitive indicator**
- **Selectable resolution**
- **Capacitive compensation**
- **Galvanic isolated RS485 interface**
- **Galvanic isolated 4-20mA outputs**
- **High Accuracy**
- **Free software**
- **Open Communication Protocol**



FC3020T flowcell with intergrated T sensor

The R3600 adds 2 (3 for R3630) independent programmable control systems to measurement system of C3000 series. It's possible to connect up to 31 controllers with a computer. A programmable alarm function prevents overdosing of chemicals in the process liquid.

R3614 and R3624 are versions with 1 extra DIN connector for 4-pole conductivity electrodes.

Specifications depending on model

Measurement Channels	2 (R3630 3)
Temperature Channels	2 (R3630 1)
Controls	2 (3)
Solid State Relays	4
pH	-2.000...+16.000 pH
mV	±2000.0 mV
Ion	0.01 ng/l...100 g/l
Conductivity	0...2000 mS/cm
Dissolved oxygen	0...60.00 mg/l 0...600%
Free chlorine	0...10 mg/l
Air pressure	600...1300 hPa
Temperature	-5.0...+105.0°C
Digital output	RS485
Analogue output	4..20mA
Warranty	36 months
Made in Belgium	

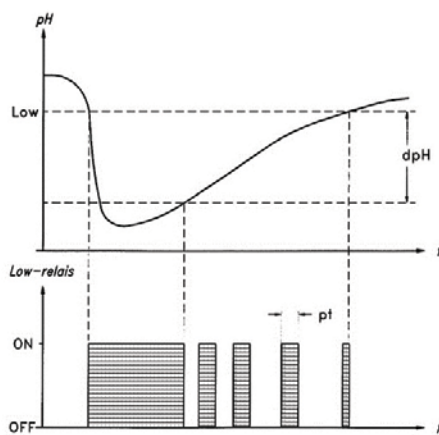
Code	Description
R3610	Controller for pH/mV/conductivity/dissolved oxygen
R3620	Controller for pH/mV/conductivity/dissolved oxygen/ion
R3630	Controller for pH/mV/conductivity/dissolved oxygen/free chlorine
FC3020T	2 channel flow cell with integrated Pt1000 temperature sensor and mounting accessories excl. electrodes

→ Add -US for 120 VAC versions.

Specifications

pH	Range	-2...+16 pH
	Resolution	0.001 pH
	Accuracy	0.1% ± 1 digit
	Calibration	1...5 points
	Buffers	11 pre-programmed 5 user specified
	Temperature compensation	-5...+105°C
	ISO-pH	6...8 pH
mV	Slope	80...120%
	Range	±2000 mV
	Resolution	0.1 mV
CONDUCTIVITY	Accuracy	0.1% ± 1 digit
	Calibration	1 point
	Range (cc dependent)	0...2000 mS/cm
	Resolution (cc dependent)	0.001 µS/cm
	Accuracy	0.5% f.s. of range
	Calibration	1...3 points
	Standards	3 pre-programmed 3 user specified
	Cell constant (cc)	0.1/1/10 cm ⁻¹ ±30%
	Temperature compensation	-5...+105°C
	Reference temperature	20° or 25°C
	Temperature coefficient	natural waters (EN27888)
Capacitive compensation	✓	
DISSOLVED OXYGEN	Range	0...60 mg/l (0...600%)
	Resolution	0.01 mg/l (0.1%)
	Accuracy	1% ± 1 digit
	Calibration	1 point
	Temperature compensation	0...50°C
	Salinity compensation	0...40
ION (R3620 only)	Air pressure compensation	600...1300 hPa
	Range	0.01 ng/l...100 g/l
	Resolution	3 digits
	Accuracy	0.5% ± 1 digit
	Calibration	2...5 points + blank
FREE CHLORINE (R3630 only)	Range	0...10 mg/l
	Resolution	0.01 mg/l
	Accuracy	5% ± 1 digit
	Calibration	1 point
	pH compensation	5...9 pH
	Temperature compensation	10...40°C
min. flow rate	20 cm/s	

TEMPERATURE	Range	-5...+105°C
	Resolution	0.1°C
	Accuracy	0.1°C
AIR PRESSURE	Range	600...1300 hPa
	Calibration	1 point
CHANNELS	Measurement	2
	Temperature	2
INPUTS	Measurement	2 BNC, 10 ¹² Ω
	Measurement	1 DIN (R36x4 only)
	Temperature	2 BNC, for Pt1000
CALIBRATION	Reminder	0...999 h
	GLP	✓
CONTROL	independent controls	2
	On/Off	✓
	Proportional	✓
	Wash program	✓
	Alarm timer	✓
DISPLAY	LCD	128x64 pixels
	White back-light	✓
	Selectable resolution	✓
	Real time clock	✓
	Built-in help	✓
	Languages	English Dutch French German
	ANALOG OUTPUTS	Two outputs
COMMUNICATION	RS485, baud rate	300...19200 b/s
DATA-LOGGING	Data sets	12000 + °C/date/time
	Modes	all
	Interval	1 s...4 h
RELAY OUTPUT	Four relays	4 solid state
	Voltage	12...250 VAC/ min. 1 mA/ max. 1 A
SECURITY	Identification number	✓
	Password protection	✓
AMBIENT CONDITIONS	Temperature	0...40°C
	Humidity	0...95%, non condensing
POWER SUPPLY	Mains	210...250 VAC, 50/60 Hz
DIMENSIONS	WxDxH	28x17x6 cm
WEIGHT	Meter	1.3 kg



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