B&C electronics

CL 6587.103

Free Chlorine Controller

The CL 6587.103 triple input analyzer belongs to the latest series of instruments developed by B&C Electronics. The instrument includes our 40 years' experience and knowledge in the measurement and control of residual chlorine, pH and ORP. The pH, ORP and temperature sensors in our catalog allow the simultaneous display of these measures in addition to the fourth value provided by one of the sensors of the main oxidizing substances, such as residual free chlorine, combined and total chlorine, chlorine dioxide, dissolved ozone, hydrogen peroxide and peracetic acid, which are compatible with the analyzer. All these possible solutions make the controller suitable for virtually any application and type of sample.

Main Features

Range
$0 \div 200.0$ ppb / μg/l
$0 \div 2.000$ ppm / mg/l
$0 \div 20.00$ ppm / mg/l
$0 \div 200.0$ ppm / mg/l
$0 \div 2000$ ppm / mg/l
$0 \div 14.00$ pH
$-2000 \div 2000$ mV
$-10.0 \div 110.0$ °C, $14.0 \div 230.0$ °F

Technical Specifications

Inputs	potentiostatic sensors polarographic membraned sensors pH electrodes (glass/antimony) ORP Pt100 / Pt1000
Zero	$\pm$ 20%, $\pm$ 5.0°C, $\pm$ 9°F
Sensitivity	12.5 $\div$ 250 %
Resolution	1 digit
Accuracy	0.2%
Repeatability	0.1%
Non linearity	0.1%
Dual filter software	0.4 $\div$ 50.0 seconds for small and large variations
Dual analog output	0-20 mA / 4-20 mA Rmax 600 Ω
Digital output	RS485 isolated, protocol B&C ASCII and MODBUS (function 03)
Dual set point HI/ LO	ON/OFF - PID - PFM - PWM, SPST relays
Hysteresis	0 $\div$ 10 %
Delay	0 $\div$ 100.0 seconds
Alarm	SPDT relay with delay 0 $\div$ 100.0 seconds
Cleaning function	off / autoclean / manual, relay SPDT repetition time 0.1 $\div$ 100.0 hours cleaning time 1.0 $\div$ 60.0 seconds holding time 0.0 $\div$ 20.0 minutes
SPST and SPDT relay contacts	220V - 5 A resistive load
Operating temperature	-10 $\div$ 60 °C
Humidity	95% without condensation
Power supply	85 $\div$ 264 Vac - 50/60 Hz 9 $\div$ 36Vdc, 12 $\div$ 24Vac (option 091.42x)
Terminal blocks	removable
Weight	1360 g
Enclosure	ABS, IP 65 protection
Dimensions	256 x 230 x 89 mm
EMC/RFI conformity	EN 61326
Registered design	002564666-002