



D I G I T A L I N S T R U M E N T S

J DIGITAL SERIES



J DIGITAL PH * J DIGITAL RH * J DIGITAL CD * J DIGITAL CL * J DIGITAL O₃

The J Digital Series are compact, versatile and user-friendly **RACK mounting** instruments to control and measure **pH, Redox (ORP), Chlore, Conductivity and Ozone**. They provide **reliable** and **accurate** measurements using a digital keyboard and LCD backlight display.

M O D E L S



J DIGITAL PH

Rack mounting pH controller with digital display. Set to host proximity switch SEPR.

J DIGITAL RH

Rack mounting Redox (ORP) controller with digital display. Set to host proximity switch SEPR.

J DIGITAL CD

Rack mounting Conductivity controller with digital display. Set to host proximity switch SEPR.

J DIGITAL CL

Rack mounting Chlorine controller with digital display. Set to host proximity switch SEPR.

J DIGITAL O₃

Rack mounting Ozone controller with digital display. Set to host proximity switch SEPR.

The fields of applications are numerous:

- waste water treatment
- drinking water
- cooling towers
- boilers
- chemical industry
- swimming pools
- process industry
- pharmaceutical industry
- agriculture

... and many more.

A.T.A. offers a wide range of electrodes to match technical requirements of different applications.

TECHNICAL DATA of ALL MODELS

Functions	J DIGITAL PH	J DIGITAL RH	J DIGITAL CD	J DIGITAL CL	J DIGITAL O ₃
Range	0 ÷ 14.00 pH	0 ÷ 1000 mV	0 ÷ 1999 µS* 0 ÷ 199.9 µS*	0 ÷ 10.00 mg/l Cl ₂	0 ÷ 1.99 mg/l O ₃
Resolution	± 0.01 pH	± 1 mV	± 0.1 µS ± 1 µS	± 0.01 mg/l Cl ₂	± 0.01 mg/l O ₃
Display	LCD Backlight				
Controls	Digital				
Calibration	Manual with buffer solution				
Environment Working Temperature	0°C to 50°C - 0% to 95% (non condensing) relative humidity				
Two Set Points	On/Off or Proportional with On/Off modulation				
Hysteresis	Adjustable				
Relay Output	Voltage Free Contact; 5A/230VAC Resistive				
Input Impedance	> 10 ¹² Ohm	> 10 ¹² Ohm	--		
Max Resistive Load	5A - 230VAC				
Power Supply	24, 115, 230 VAC*; 50/60 Hz				
Power Consumption	Average 4W				
Fuse Protection	Instrument fuse protection				
Galvanic Isolation	YES				
Casing Material	ABS - IP40 box				
Mounting	Rack Mounting				
Dimensions	48 x 96 x 140 mm				
Net Weight	Kg 0,5				
Temperature Compensation	Automatic with probe	NO	Automatic with probe	NO	NO
Current Output	0÷20mA programmable (Max 350 Ohm)				

* Specify when ordering

CONTROL PANEL



D I G I T A L I N S T R U M E N T S

J SERIES



JPH * JRH * JCL * JCD * JCDRI * JTEMP * JTORB

The J Series are compact, versatile and user-friendly **96x96 DIN panel mounting** instruments to control and measure **pH, Redox (ORP), Conductivity, Residual Chlorine, Temperature** and **Turbidity**.

J Series provides **reliable** and **accurate** measurements.



The fields of applications are numerous:

- waste water treatment
- drinking water
- cooling towers
- boilers
- chemical industry
- swimming pools
- process industry
- pharmaceutical industry
- agriculture

... and many more.

A.T.A. offers a wide range of electrodes to match technical requirements of different applications.

M O D E L S

J R H

J P H

DIN panel mounting pH controller with digital display.

JPHI
Version with galvanic isolation.

DIN panel mounting Redox (ORP) controller with digital display.

JRHI
Version with galvanic isolation.

J C L

J C D

DIN panel mounting Conductivity controller with digital display.

JCDI
Version with galvanic isolation.

DIN panel mounting Chlorine (Cl_2) controller with digital display.

Mod. JCL/1 for amperometric cells mod. ECL1/2/3.
Mod. JCL/4 for amperometric cells mod. ECL 4/5/6.

J T E M P

J C D R I

DIN panel mounting Conductivity controller with digital display for cooling tower applications with bleed control.

DIN panel mounting Temperature controller with digital display.

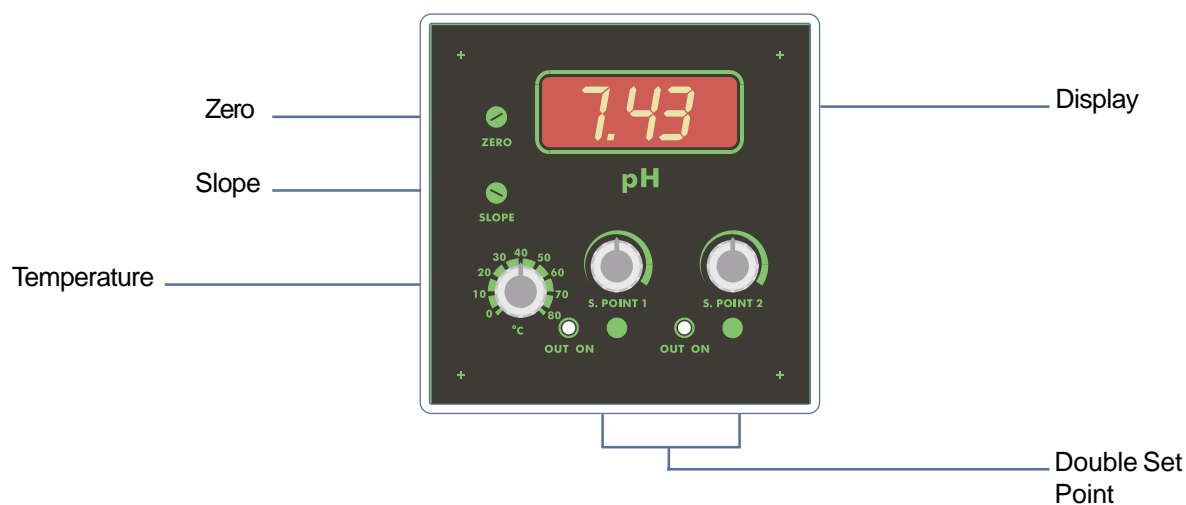
J T O R B

DIN panel mounting Turbidity controller with digital display.

TECHNICAL DATA of ALL MODELS

Functions	JPH	JRH	JCD	JCL	JCDRI	JTEMP	JTORB
Range	0 ÷ 14.00 pH	0 ÷ 1000 mV	0 ÷ 1999 µS 0 ÷ 19.99 mS	0 ÷ 30.0 mg/Cl ₁ 0 ÷ 10.00 mg/Cl ₁ 0 ÷ 2.000 mg/Cl ₁	0 ÷ 19.99 mS	0 ÷ 100 °C	0 ÷ 19.9 NTU
Resolution	± 0.01 pH ± 1 mV	± 1 mV	± 10 µS ± 1 µS	± 0.1 mg/Cl ₁ ± 0.01 mg/Cl ₁ ± 0.001 mg/Cl ₁	± 10 µS	± 0.1 °C	± 0.1 NTU
Display	7 -Segments Display						
Controls	Analogic						
Calibration	Manual						
Environment Working Temperature	0°C to 50°C -0% to 95% (non condensing) relative humidity						
Set Points	Two On/Off	Two On/Off	Two On/Off	Two On/Off	One On/Off, one hysteresis	Two On/Off	Two On/Off
Input Impedance	> 10 ¹² Ohm	> 10 ¹² Ohm	--	--	--	--	--
On/Off Output	2 Voltage Output (Free of voltage on demand)						
Chart Recorder Output	Specify when ordering: 0 ÷ 20mA or 4÷ 20mA (max 500 Ohm)						
Max Resistive Load	5A - 220VAC						
Power Supply	24, 115, 230 VAC (specify when ordering); 50/60 Hz						
Power Consumption	Average 5W						
Fuse	Instrument and output fuse protections						
Galvanic Isolation	On demand (JPH I, JRH I, JCD I)						
Casing Material	ABS - IP40 box (IP65 frontal with cover on demand)						
Mounting	96 x 96 DIN Panel Mounting						
Dimensions	96 x 96 x 140 mm						
Net Weight	Kg 0,5						
Temperature Compensation	Manual Automatic 0÷ 80 °C	NO	Manual Automatic 0÷ 80 °C	NO	Manual Automatic 0÷ 80 °C	NO	NO

CONTROL PANEL



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sistemi di dosaggio
 trattamento acque
 fertirrigazione
 automazione