

Eclipse i-Series #9300i







Intelligent Monitoring
Station for All
Climates

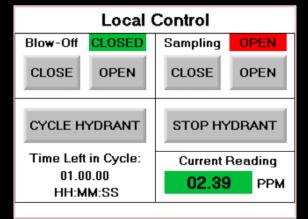


Features

- 1" FIP Inlet
- Programmable Logic Controller (PLC) with 2 micro-SD cards with SD and USB adapters
- SCADA compatible via Modbus, Modbus IP to Modbus TCP/IP, DF1, Profibus, CANopen, or custom serial / Ethernet protocols
- High efficiency fan heater
- · Amperometric Chlorine Sensor (no reagents required) and temperature sensor
- Scalable to house up to 2 additional sensors (not including pressure)
- Locking powder-coated aluminum enclosure with R-9 insulation
- 120 VAC power required
- · Dedicated flushing and sampling points

Touch-Screen PLC with App*





Features

- Human Machine Interface (HMI)
- Monitor water quality live on the downloadable app for smartphones and tablets
- Remotely control monitoring station by phone or tablet (i.e. open/close valves, etc.)

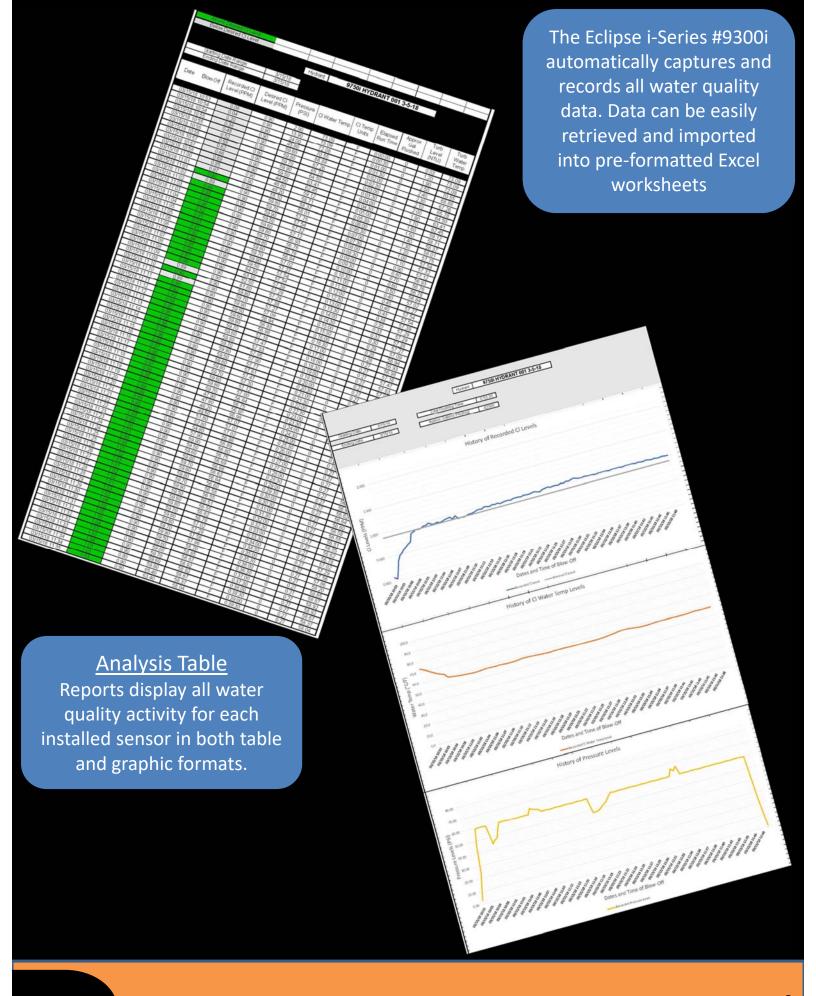
*Requires PLC upgrade and RV50 Wireless Gateway Package

Additional Available Sensors

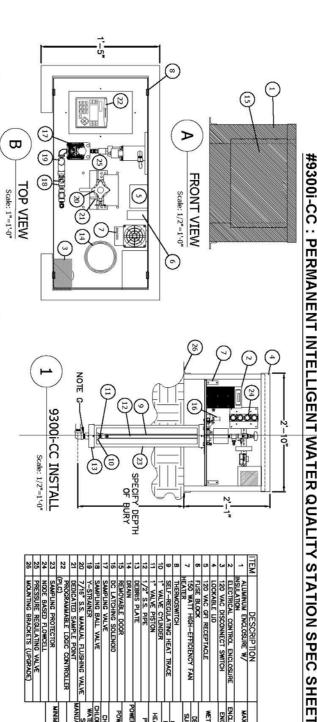
- Free, Combined or Total Chlorine
- Turbidity
- pH
- Conductivity
- Pressure
- ORP
- Fluoride
- Dissolved O²
- Etc.











ALUMINUM ENCLOSURE W/

GENERAL SPECIFICATIONS

GREEN 85 PSI

blow off and dedicated sampling bibb. Intelligent sampling station shall be standard 3' bury, with a 1" FIP inlet, and a 7/16" unthreaded

with a removable lid and an access door. Station shall be enclosed in a powder coated lockable, non-removable, insulated aluminum box

of water via an unthreaded 1/8" outlet allowing the user a dedicated sampling point. Located before the headstock, a separate stainless steel globe valve petcock shall control the discharge The station shall have a stainless steel headstock to control manual flushing of water at the site.

day while storing water quality parameters to a micro SD card that is removable and viewable in Excel sensor(s) will analyze the water sample. The water quality readings will be stored in a programmable continue through a pressure regulated valve (PRV) and through a HDPE flowcell where the procured logic controller (PLC) with an HMI screen. PLC shall either sample continuously or up to 8 times per line and into a stainless steel ball valve and Y-strainer for maintenance and debris removal. Water shall When open, the station shall require no key for operation. Water shall flow through a sampling

thermoswitches with zoned locations to prevent freezing. The sampling station shall use heat trace and a 150 Watt high-efficiency fan heater with 4 separate

or approved equal the product ordering guide as manufactured by The Kupferle Foundry Company, St. Louis MO 63102 All working parts shall be serviceable from above ground with no digging or replacement needed. The station shall be model #9300i-CC-120-*.*_*.** with *s specified in accordance with

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DATE

STATUS / REVISION

T ORDERING GUIDE	S.	i-SERIES PRODUCT	
		MOUNTING BRACKETS (UPGRADE)	26
		PRESSURE REGULATING VALVE	25
ļ	C C C C C C C C C C C C C C C C C C C	NODE BASED FLOWCELL	24
f	MINIMUM IEMPERATURE	SAMPLING PROTECTOR	23
Ш		PROGRAMMABLE LOGIC CONTROLLER (PLC)	22
*	MANUAL PLUSHING FLOW	DEDICATED SAMPLE POINT	21
		7/16" S.S. MANUAL FLUSHING VALVE	20
	WATER TEMPERATURE	Y-STRAINER	19
Z.	CHLORINE RESOLUTION:	SAMPLING BALL VALVE	18
	CHLORINE RANGE:	SAMPLING VALVE	17
2		DC LATCHING SOLENOID	6
*	POWER SUPPLY MAX	REMOVABLE DOOR	5
Š	POWER SUPPLY QUIPUI	DRAIN	7
	FICIENC	DEBRIS PLATE	ü
	POWER SUPPLY	1/2" S.S. PIPE	12
	HEAT TRACE SIZE	1" VALVE PISTON	⇉
1	LIED ION SIEEL		6
1	DEATED SIZE:	SELF-REGULATING HEAT TRACE	9
	MAX POWER	THERMOSWITCH	œ
	SUPPLY VOLTAGE:	HEATER	7
	DEPTH OF BURY:	LOSE BLOCK	0
,	ACTION MATERIALS	120 VAC GFI RECEPTACLE	o
		LOCKABLE LID	4
"	ENCLOSURE COLOR:	120 VAC DISCONNECT SWITCH	w
ŗ.	ENCLOSURE MATERIAL:	ELECTRICAL CONTROL ENCLOSURE	2
3	PRESSURE	INSULATION	-3

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PLEASE SEE CUT SHEET FOR UPGRADES AND AVAILABLE OPTIONS	- No. 10010	SENSORS AS : MA	APPRICATA	11 - SENSOR *	10 - SENSOR #3	9 - SENSOR #2	8 - SENSOR #1	SENSORS FOR SUBSECTIONS		7		20			<i>o</i>		Г	•	10	3	2	1	MODEL #	ž	F	CC - 120 -	i-SERIES PRODUCT ORDERING GUIDE	
UPGRADES A	G - CONDL	F - ORP	E - TURBIDITY	D - PH	C - TOTAL	B - COMBI	A - FREE	8-11.	>	×	>	×	0	a	В	>	×	0.0		120	CC	98001	OPTIONS	V 1: 93001-CC	4 5		DUCT ORDE	
ND AVAILABLE O	CONDUCTIVITY		YTK		CHLORINE	COMBINED CHLORINE	FREE CHLORINE	EAVE UNUSED S	ANALOG C		3/8" DU		SECOND S	ETHERN	ALARM I	CELLULAR		IN FEET AND NEAR	FEET OF		8	PERMANEN	DE	VIEW 1: 93001-CC-120-3.0-X-X-X-A	8 7		RING GUIDE	
	X - CUSTOM (CALL)	M - HYDROGEN PEROXIDE	L - PERACETIC ACID	K - CHLORINE DIOXIDE	J - DISSOLVED OZONE	I - FLUORIDE	H - DISSOLVED DXYGEN	LEAVE UNUSED SUBSECTIONS BLANK.	ANALOG 0-200.0 PSI SENSOR	NONE	DUAL CHECK VALVE	NONE	SECOND SERIAL CARD ADDED	ETHERNET CARD ADDED	ALARM INDICATION LIGHT	CELLULAR (RV50 GATEWAY)	NONE	NEAREST 0.5 FOOT.	DEPTH OF BURY, ENTER #	120 VAC	COLD CLIMATES	PERMANENT I—SERIES HYDRANT	DESCRIPTIONS	-X-A	8 9 10 11	* *		

KUPFERLE Since 1857 2511 NORTH 9TH STREET ST. LOUIS, MO 63102 www.hydrants.com FAX 314-231-2820 1-800-231-3990 SHEET 1 OF

#9300i-CC-120 BROCHURE SPEC SHEET

MODIFIED

A (11x8.5)

VARIES SCALE