LAKEWOOD INSTRUMENTS NpH NODE



NPH Part No. 1104522

The Model NPH pH and ORP Node is a LonWorks compatible node that uses twisted pair communications. The NPH works with several different temperature compensation inputs and with pH or ORP sensors. These multiple-sensor input options allow for various sensors to be used. Temperature compensation is adjustable by pH per Celsius for use with various processes.. Up to four NpH nodes may be installed on the 2000 series controller.

One Network Interface Node (NIN) per 2000 Series Controller is required to operate network nodes such as the NDIG, and contain Rel 98 Firmware. All controllers shipped after 1 June 98 will have Rel 98 firmware.

Relay configuration and datalogging

After a NpH is installed, not only will you be able to view additional inputs you will also be able to datalog information and control relays based on the external device.

Specifications

рН	BNC connection	Node Ambier	Node Ambient Temperature 0-85°C (32-185°F)		
'	0 to 14 pH				
	59 mV per pH unit	,	,		
	·	Temperature	perature Compensation		
ORP	BNC connection	Inputs	None	100 PTC	
	-2000 to +2000 mV		500 NTC	1K PTC	
			4K NTC	3K PTC	
Distance Between Two Furthest Nodes			10K NTC	10K PTC	
400 m (1312 ft) maximum without a repeater		Compensation is adjustable by % per °C			
Power 24 VDC		Accuracy	1% of sensor reading		
24 VDC		Resolution	1% of reading		

Sensor Connections

BNC Sensor BNC Pin 1 none Pin 2 none Pin 3 Reference Pin 4 none Pin 5 Solution Ground and Temperature Compensator Pin 6 Temperature Compensator

