



NEELKANTH INSTRUMENT & CONTROL



DMS
Digital Measurement Systems

NIC Solutions

Introduction

NIC Solutions provide wide range of instruments with different types as per the industrial requirements, we provide Sensor housing is designed to mount at by-pass line, thereby gives you convenient mounting of sensor and housing. We supply industrial standard pH sensor along with this meter to give you best performance.

pH Meters made available by NIC Solutions are applicable in every area such as agricultural, chemical, pharmaceutical, research institutes, bio-technology laboratories, hospitals etc.

These devices have been designed with respect to the scientific precision that is accepted in analytical instruments requirements.

The offered pH Meters come with advanced microprocessors as well as provision of auto temperature compensation that is highly desired in analytical instruments.

Microcontroller based pH meters and is considered to be an ideal choice for carrying out high end pH measurements.

Further, these pH Meter is scientifically designed for achieving maximum stability and quick results.

The range offered by us as pH Controllers Transmitters & indicators in different requirements Like Panel, field, flameproof & Bench top.

Product Versions:

1) pH & conductivity Indicator (Panel Type / Field type)

2) pH & conductivity Transmitter (Panel Type / Field type)

3) pH & conductivity Controller (Panel Type / Field type)

We provide pH / Conductivity / TDS / DO / ORP / Humidity / Pressure / Temperature meters in different versions as per the customer application requirements for Online Indicator / Transmitter/ Controller Below are the salient information

Salient Features:

- ☐ Advanced micro controller based design for best performance
- ☐ Full 4 Digit two line, 14mm red LED display for two different parameters with Error code for self diagnosis
- ☐ User Pass code provision for Authorized settings for change as per application requirement
- ☐ Isolated proportional Retransmitting Output options 4-20 mA, 0 – 2 Volt, 0 – 5 Volt, 0 – 10 Volt
- ☐ Software selectable two isolated relays with LED indication for relay status
- ☐ Temperature Compensation: Auto and Manual auto switching mode
- ☐ Software settings allow you for your regular calibration of instruments in the easiest way.
- ☐ Available in panel type, field type, and Flame proof and weather proof version

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Parameter	pH	mV	Temperature Range
Range	0 - 14.00 pH	0 - ± 1999.9 mV	0 - 100 °C
Resolution	0.01 pH	0.1mV	0.5 °C
Accuracy	±0.01 pH	± 0.1 mV	± 0.1 °C
Temperature Compensation	Type	Sensor	Range
	Auto	PT100	0 - 100 °C
	Auto	PT1000	0 - 100 °C
	Manual	--	0 - 100 °C
Calibration	4.00 pH, 7.00 pH, 9.20 pH any Std. Solution		
Display	pH	Full four Digit LED 7 Segment	
	TEMP	Full four Digit LED 7 Segment	
	Maximum	0 to 9999 Counts	
Keyboard	4 Keys, Soft Touch Membrane Type		
Input impedance	Less than 100 mega Ohm		
Accuracy	±0.5% full scale		
Slope	5% - 95%		
Response time	0.33 sec		
Output	4-20mA		
Set Point Relay	Set Point 1	0 - 14.00 pH	1
	Set Point 2	0 - 14.00 pH	1
Dimensions	Panel	96 x 96 x 85 mm	
	Filed	120 x 140 x 70 mm	
Weight Instrument	0.4 Kg (Approx.)		
Power	230 V ± 10% AC, 50 Hz		
Accessories	Combination pH Electrode, Temperature Probe(PT100 / PT1000) pH Electrode Standard Buffer solutions (7.00 / 4.02 & 10.00 pH) Operation Manual		

(All Type of whether proof & Flame proof Encloses are available)