

# PO650 pH Meter



## METER



### PO 650 pH

Range: 0 to 14  
Resolution: 0.01

Physical dimensions	105 x 105 x 130mm
Cut-out size	90 x 90mm
Enclosure	ABS weather proof IP- 65
Mounting	Field/ Pipe/ Panel
Input supply	230 V A.C./110 V A.C./ 24 V D.C.
Alarms	Separate LED indication for high & low
Control operation	Alarm/ auto reset/ control
Accuracy	± 2% FSD
Calibration/set point	Using front keypad
Display	4 digit 7 segment LED display Dual Line Backlit LCD(optional)
Output	4-20mA (optional) RS 485 (optional)
Relay	Individual high & low relay 5A@ 230V (programmable through entire range with set-able control delay & hysteresis)

## pH Sensors

				
Sensor Type	Standard	Low Conductivity	ETP ECO	Imported
Type	Flow Through			
Fluid	Clear Water/Filtered Water	Ultra Pure Water	Effluent	Sewage
Operating Pressure	5 kg	Non Pressurized Line	5 Kg	5 Kg
Operating Temp.	60 Deg. C	100 Deg. C	100 Deg. C	100 Deg. C
Cable Termination	0.5 to 0.75 Sq. mm Lugs	0.5 to 0.75 Sq. mm Lugs	0.5 to 0.75 Sq. mm Lugs	0.5 to 0.75 Sq. mm Lugs
Integral Cable Length	5 Meter Shielded	5 Meter Shielded	5 Meter Shielded	5 Meter Shielded
Body Material	Epoxy	Glass	Glass	Ryton
No. of Junction	Two	Three	Two	Two
End Connection for FTC	1/2" BSP F	20NB BSP F	N.A.	N.A.
FTC MOC	ABS Plastic	ABS	ABS	N.A.
Max Flow	100 LPH	100 LPH	100 LPH	100 LPH
Mounting	Sampling Line	Sampling Line	Tank Mounting	Tank Mounting

# PO650 pH Meter Selection Guide



## PH METER PO 650

### Salient features:

- Faulty sensor indication
- Universal enclosure for sensor/field as well as panel mount duty.



### Description:

PH controller is designed for various industrial applications. The control points are settable through keypad on front face and control outputs are available at rear terminals.

### TECHNICAL SPECIFICATIONS:

- |                            |   |  |
|----------------------------|---|--|
| 1. Physical dimensions     | : | 105 X 105 X 120 mm<br>90 mm X 90mm (panel cut out) |
| 2. Enclosure               | : | ABS Weather proof/IP 65                            |
| 3. Mounting                | : | Field/Panel  |
| 4. Parameter sampling rate | : | < 2 seconds  |
| 5. Resolution              | : | 0.01   |
| 6. Accuracy                | : | ±2% of FSD   |
| 7. Alarms/Control relays   | : | 2 nos 5 A @ 230 VAC                                |
| 8. Display                 | : | 4 digit 7 segment LED                              |
| 9. Calibration/Set point   | : | Using front panel keypad.                          |
| 10. Relay output           | : | Individual high & low relay                        |
| 11. Range                  | : | 00.00 to 14.00 pH                                  |

<b>CODE</b>	<b>SUPPLY VOLTAGE</b>
0	: 24 V DC
1	: 110 VAC
2	: 230 VAC
<b>CODE</b>	<b>TEMPERATURE COMPENSATION</b>
A	: Automatic (if you choose this, sensor type code must be 3)
M	: Manual
<b>CODE</b>	<b>TYPE OF OUTPUT</b>
N	: Only relay O/P
C	: 4-20 mA O/P along with relay O/P
R	: RS 485 along with relay O/P

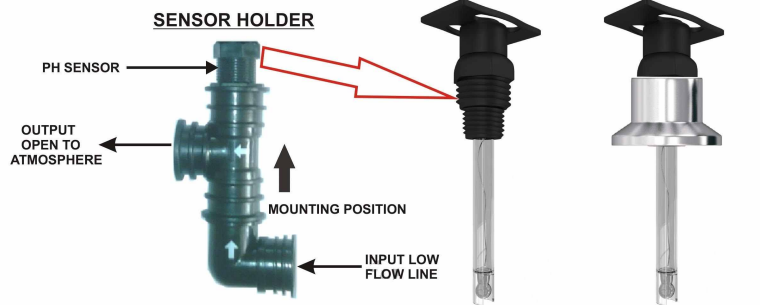
PO-650 PH 2 M N SAMPLE ORDERING CODE

Rev:06 date: 27.11.2017 (No change in meter, Sensor specs changed)

## PH SENSOR

### TECHNICAL SPECIFICATIONS :

- |                            |   |                                |                      |
|----------------------------|---|--------------------------------|----------------------|
| 1. Overall dimension       | : | 140 mm(L) X 32 mm(W)           | 140 mm(L) X 50 mm(W) |
| 2. Diameter of sensor pipe | : | 12 mm                          |                      |
| 3. Type                    | : | Flow through/tank              | Flow through         |
| 4. Sensor O/P              | : | Milli Volt                     |                      |
| 5. Integral cable          | : | 1 core shielded 5 meter        |                      |
| 6. Application             | : | Water                          |                      |
| 7. Max pressure            | : | Not meant for pressurized line |                      |



<b>CODE</b>	<b>SENSOR TYPE</b>
1	: Without Temperature sensor(Max temp. : 60°C) MOC : Epoxy
2	: Without Temperature sensor(Max temp. : 100°C) MOC : Glass
3	: With Temperature sensor(Max temp. : 100°C) MOC : Glass

<b>CODE</b>	<b>MOUNTING &amp; END CONNECTION</b>
Sp	: Sampling line & Plastic male threaded(3/4" & 1/2" BSP)
Ss	: Sampling line & SS Trichlover(with 50 mm OD)
Tp	: Tank application & Plastic male threaded

**\*\* Also Confirm Application Media (Water type)**

PH SENSOR 1 Sp SAMPLE ORDERING CODE

Rev:06 date: 27.11.2017 Reason : Removed Non pressurized line

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