

**NEW PRODUCT PREVIEW**
**HMC SERIES**  
**INDICATING TRANSMITTER**

The HMC Series Indicating Transmitters offer advanced reading display and transmission. The multicolor, configurable LCD graphical display provides easy viewing of process variables. Built-in relays, open collectors, analog outputs and serial output allow a wide range of communications and control options.

**KEY FEATURES & BENEFITS**

- pH/ORP, conductivity/resistivity and multi-parameter models
- Temperature indication and transmission included
- Highly accurate, +/- 0.2%
- Rugged industrial design
- Dual Inputs: Measured parameter or analog input and RTD (Resistance Temperature Detector)
- Configurable LCD graphical display, changes colors to indicate alarm conditions
- ¼ DIN size
- NEMA 4X/IP65 front panel protection
- AC and DC power options
- Rugged, removable terminal strips
- Powered 4-20mA input loop
- Dual, assignable 4-20mA outputs
- Dual 5A, 250 V programmable relays
- Dual programmable open collector outputs
- Mounting hardware included
- Hayward 2-year warranty

**OPTIONS**

- RS485 MODBUS option
- Combine with Hayward analytical sensors for complete system
- NEMA 4X/IP65 pre-wired enclosures available
- Industrial-grade pH/ORP, conductivity/resistivity electrodes available


**ON-TANK VIEW**


# HMC Series

## INDICATING TRANSMITTER

### SPECIFICATIONS

|                               |  |
|-------------------------------|--|
| Accuracy                      | +/- 0.2%   |
| Input 1                       | pH/ORP, conductivity/resistivity and analog – depending on model                                 |
| Input 2                       | PT100 or PT1000 RTD (Resistance Temperature Detector), automatic detection                       |
| Level Measurement Range       | 0-20mA or 4-20mA   |
| Level Resolution              | +/- 1 uA   |
| Level Precision               | +/- 10uA   |
| Temperature Measurement Range | -58 to 302°F (-50 to 150°C)  |
| Temperature Resolution        | 0.1°F or C   |
| Temperature Accuracy          | PT100: +/- 0.9 °F (+/- 0.5°C) PT1000: +/- 0.4°F (+/- 0.2°C)                                      |
| Output                        | Analog: 2 x 4-20mA, assignable to either channel, 800Ω, 3.6 to 22 mA Range                       |
| Relay                         | Two 5A, SPDT 250 V, programmable with delays, PWM  |
| Open Collectors               | Two, programmable  |
| Display                       | 128 x 128 pixel LCD display, multiple display options, three colors to indicate alarm conditions |
| Chassis                       | ¼ DIN, ABS housing, includes cam-loks to secure into enclosure (92 x 92mm cutout)                |
| Power Requirement             | 100-240/50-60 VAC or 12-32 VDC, selected at time of order  |
| Power Consumption             | <5W for 100-240 VAC, <3.5W for 12-32 VDC   |
| Electrical Connections        | Rear panel, removable terminals, marked for service  |
| USB                           | Rear panel connection for software updates   |
| Display Modes                 | VIEW MEASURE, CALIBRATION MENU, SETUP MENU, ADVANCED MENU, VIEW MENU                             |
| Dimensions                    | Chassis: 92 x 92 x 57.3mm (1/4 DIN Size)   |
| Dimensions                    | Front bezel: 96 x 96mm   |
| Weight                        | 0.9 lbs / 0.4 Kg   |
| Front Panel                   | UV-resistant polycarbonate   |
| Protection                    | IP65 front, IP20 chassis   |
| Relative Humidity             | 0-100% condensing  |
| Storage Temperature           | -13°F to 149°F (-25 to 65°C)   |
| Operating Temperature         | 4°F to 122°F (-10 to 50°C)   |
| Power Supply Fuse             | 500 mA   |



### ACCESSORIES

- HLS Series Pressure Level Sensor
- ZRDPH100 pH Electrode
- ZRDORP100 ORP Electrode
- HLSDBPS NEMA 4X Enclosure
- HMCCTK1 Conductivity Electrode

### MODELS AND ACCESSORIES

| PART NUMBER                                 | PARAMETER  |
|---|--|
| HMC100<br>HMC100<br>HMCC100                 | Multi-Parameter, Analog Input, Configurable Display, Plus RTD on CH 2<br>pH/ORP Input, plus RTD on CH 2<br>Conductivity/Resistivity, plus RTD on CH 2  |
| HMCENC<br>HMCPPH001<br>HMCPRP001<br>HMCCTK1 | <b>ACCESSORIES</b><br>NEMA 4X/IP65 Enclosure, 1/4 DIN Cut-Out, Weather-Tight Connectors<br>Heavy-Duty pH Electrode, 3/4" MNPT Threads on Ends, Noryl Body, 10 ft Cable<br>Heavy-Duty ORP Electrode, 3/4" MNPT Threads on Ends, Noryl Body, 10 ft Cable<br>Heavy-Duty Conductivity Electrode, 1 cm-1,<br>Covers 5-5000uS, PP Body, 316 Electrodes, 3/4" MNPT Connection |



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