



FLOW  
LEVEL  
PRESSURE  
ANALYTICAL  
TEMPERATURE  
INSTRUMENTATION  
PASTEURIZATION CONTROLS

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APPLIED TECHNOLOGIES  
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## HB "Mini" Level Transmitter

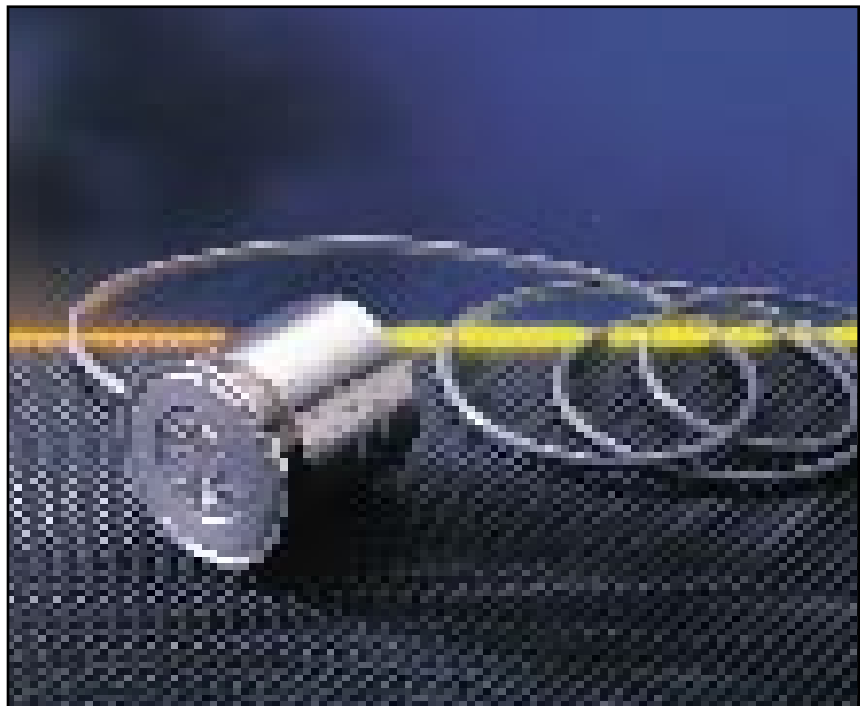
### FEATURES:

- *Specifically designed for balance tank, CIP vessel, and other sanitary level control applications*
- *Rugged reliability in the harshest applications and environments*
- *Compact, ultra-sanitary package meets or exceeds requirements for Food, Beverage, Dairy and Bio-Pharmaceutical applications*
- *Fast shipment - (4 day standard)*

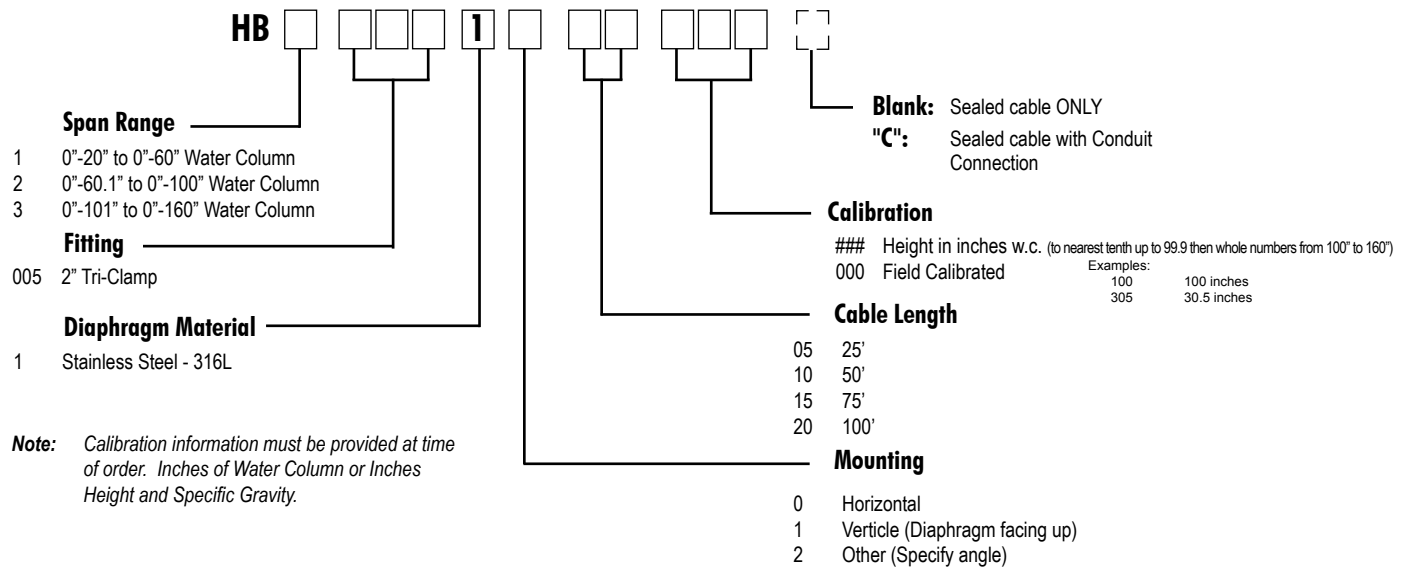
The "HB" has been specifically designed for use in simple level control applications such as *balance tanks* and *CIP vessels*. We understand the harsh environment typically encountered in such applications and have designed this product to stand up to direct wash-downs and wide variations in temperature. The sensor is available in three ranges for tanks 20" to 60" ("low range"), 60.1" to 100" ("mid range") and 101" to 160"

("high range"). Connections includes a 2" Tri-Clamp<sup>®</sup> and all sensors are supplied with up to 100' of sealed, shielded cable (25' is standard). Internal compensation allows the transmitter to perform at temperatures up to 200° F (93° C) and withstand cleaning and sterilization to 250° F (121° C).

Detailed specifications, ordering matrix and application information are listed on the reverse.



# Complete Product Ordering Matrix



## GENERAL SPECIFICATIONS

### Environmental Specifications

Ambient Operating Temperature Range:	40°F to 120°F (4°C to 49°C)
Storage Temperature Range:	-40°F to 250°F (-40°C to 121°C)
Humidity:	0 to 95% RH, condensing

### Material / Construction

Housing:	304 Stainless Steel, R <sub>a</sub> 40 maximum finish
Wetted Parts:	316L Stainless Steel, R <sub>a</sub> 25 maximum finish
Process Connection:	2" Tri-Clamp
Ratings:	NEMA 4X/IP-66, IP-67 3A Authorized
Standards:	Designed and manufactured to sound engineering practices in accordance with Article 3.3 of the PED 97/23/EC

### Operating Specifications

Range:	HB1 0-20" to 0-60" Water Column HB2 0-60.1" to 0-100" Water Column HB3 0-101" to 0-160" Water Column
Accuracy:	Factory calibrated to +/-0.2% of Upper Range Limit (URL) Stabilized at 75°F (24°C)
Process Temperature Limits:	32°F to 250°F (0°C to 121°C) Compensated 32°F to 200°F (0°C to 93°C)
Temperature Stability:	Within +/-2.0"/100°F over the compensated process and ambient operational temperature range
Over-Range Capacity:	2.5 times Upper Range Limit
Response Time:	200 uSec

### Power / Signal / Electrical

Voltage:	12-40 VDC
Load Impedance:	1400 ohms (max) @ 40 VDC
Output:	4-20 mA DC, 2-wire
Electrical Ratings:	CE compliant

