

## HB547 pH Sensor Use with Ball Valve Assemblies

## Model Selection Guide

- Sensor used with ball valve assembly
  - Suitable for submersible applications
  - Ball valve assembly purchased as accessory
- ☆      **ATTENTION**      ☆
- See last page for **FAST DELIVERY** options!



### Instructions

- Consult Steps to Selecting Appropriate pH/ORP Instrumentation and Cells before making selections below.
  - Select the desired key number. The arrow to the right marks the selection available.
  - Make one selection from each Table using the column below the proper arrow.  
A dot denotes unrestricted availability.
- Key Number    I    II    III    IV
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KEY NUMBER	Description	Selection	Availability
	HB547 Replacement Cartridge Valve Insertion ( <b>Note 1</b> )	HB547	↓

**TABLE I - Material**

<b>Body Material</b>	CPVC	C _ _ _	• • •
	Polypropylene	P _ _ _	
	Kynar	B _ _ _	
<b>O-Ring Material</b>	Viton	_ V _ _	• •
	EPDM	_ E _ _	
<b>Reference Plug Material</b>	Standard	_ _ S _	•
<b>Measuring Electrode</b>	Hemi Glass	_ _ _ R	d e m
	Flat Glass	_ _ _ F	
	Platinum ORP, Flat Solid Billet	_ _ _ X	

**TABLE II - Sensor Options**

<b>Tip Configuration</b>	Flush Teflon Junction	T _ _ _	• • •
	Recessed Teflon Junction	S _ _ _	
	Dual Notch Teflon Junction	D _ _ _	
<b>Thermocompensation</b>	None (ORP Only)	_ N _ _	f g k k
	Honeywell 8550 ohm	_ H _ _	
	PT100 RTD Capillary	_ C _ _	
	PT1000 RTD	_ K _ _	
<b>Body Options</b>	Standard	_ _ S _	•
<b>Insertion Depth</b>	Standard Configuration	_ _ _ N	•

TABLE III - Cable & Leads		Selection	Availability ↓
Cable Configuration	Pigtail for 16" Sheath Set and Junction Box (Note 2)	J2 __	h
	Pigtail for 20" Sheath Set and Junction Box (Note 2)	J3 __	h
	Pigtail for 24" Sheath Set and Junction Box (Note 2)	J4 __	h
	5' Cable - standard	0 5 __	•
	15' Cable	1 5 __	•
	30' Cable	3 0 __	•
Lead Terminations	All Tinned Leads	-- S T	•
	BNC & Tinned Leads	-- B T	•
	BNC & 2 Pin Conn for TC (termination for use with extension cable)	-- B 2	•
	All Pin Lugs	-- P P	•
	Tinned ORP, No TC	-- T N	•
	BNC ORP, No TC	-- B N	•
	Pinned ORP Leads, No TC	-- P N	•

TABLE IV - Future Use

Future Use	0 __	•
Future Use	_ 0 _	•
Future Use	_ _ 0	•

Note 1: A Ball valve Assembly and fitting and sheath set is required from the Accessory Table for new installations

Note 2: For new installations order extension cable and junction box from Accessory Table.

RESTRICTIONS

Restriction Letter	Available Only With		Not Available With	
	Table	Selection	Table	Selection
d	II	S ____, D ____		
e	II	T ____, D ____		
f	III	_ _ T N, _ _ B N, _ _ P N		
g			I	_ _ _ F
h			III	_ _ T N, _ _ B N, _ _ P N
k	III	_ _ B 2, _ _ B N		
m			III	_ _ T N, _ _ B N, _ _ P N
	II	T N _ _		

ACCESSORIES

Description	Part Number
Ball Valve Assembly Configurations: <ul style="list-style-type: none"> <li>Ball valve assembly 1-1/4" 316SS for Wrench-tite fittings                → Wrench-tite fitting 316SS                → "Optional" Clean-Cal-Purge fitting SS316</li> </ul>	50027636-001 50027406-001 50027412-003
<ul style="list-style-type: none"> <li>Ball valve assembly 1-1/4" 316SS for Hand-tite fittings                → Hand-tite fitting 316SS                → "Optional" Clean-Cal-Purge fitting SS316</li> </ul>	50027636-003 50027418-001 50027412-001
Insertion Collar Stop: Optional part typically intended for <b>20" and 24"</b> sheath sets	50027421-001
Sheath Sets - A sheath set is required for any HB547 sensor to fit through the valve assembly/related hardware. 16" Titanium 20" Titanium 24" Titanium	50027425-001 50027425-002 50027425-003
Extension Cables - Only compatible with pH electrodes & lead terminations = B2 Connection to instrument is tinned lead 10' 20' 50'	50027414-001 50027414-002 50027414-003
Junction Box	50057977-001

**ATTENTION:**

★ See last page for **FAST DELIVERY** options! ★

## HB SERIES pH Electrode: HB547

### HB547

- \* Ball Valve Insertion Sensor
- \* Can be used in high pressure applications with proper accessories



Do you need a lead time under **2 weeks**?

If so, order any of the following:

HB547-BVSR-DKSN-30ST-000  
HB547-BVSR-DKSN-30BT-000  
HB547-BVSR-DKSN-30B2-000  
HB547-BVSR-DKSN-30PP-000

HB551 sensors with KYNAR body, VITON o-rings, HEMI glass, DUAL NOTCH TEFLON JUNCTION, PT1000 RTD, 30 foot cable.  
All lead termination options are available.