

Description

The pH SmartSync™ is a single channel sensor-mount transmitter for connecting smart Hybrid® pH sensors to digital bioprocess controllers via Modbus RTU. The operator can communicate with the SmartSync™ wirelessly to perform a wide range of standard transmitter functions such as 1- and 2-point calibrations, reviewing sensor metadata and calibration history, and setting the Modbus address and communication parameters.

The SmartSync™ provides plug-and-play functionality with all Hybrid® pH sensors and features an LED light bar that indicates sensor status, alarms, and warnings to ensure your sensor is working properly.

Model	T100
Part Number	T100-1

Specifications

Output	Modbus RTU
Channels	1
Sensor Input	±500 mV
Sensor Type	<ul style="list-style-type: none">• All Hybrid® single-use pH sensors• All Hybrid® steam sterilizable and autoclavable pH sensors
User Interface	iQuickView™ application via Bluetooth wireless connection with phone or tablet
Size	Sensor mount or use as in-line module
Power Supply	6–24 VDC
Power Consumption	500 mW (21 mA) max at 24 V
Range	<ul style="list-style-type: none">• Modbus Output: Up to 1200 m (4000 ft) depending on topography• Wireless User Interface: 9 m (30 ft)
Operational Temp.	0°–55° C [32°–131° F]
Input Connector	VP8 Variopin, 8-pin Threaded Plug, threads onto any variopin sensor connector
Output Connector	M12 (5-pin)
Ratings	CE, IP67



T100-1 pH SmartSync™



Dimensional Drawings of T100-1

