

Description

The dissolved oxygen (DO) SmartSync[®] is a single channel sensor-mount transmitter for connecting smart Hybrid[®] DO sensors (both optical and amperometric) to digital bioprocess controllers via Modbus RTU.

The transmitter can be configured by means of a wireless Bluetooth[®] interface with the iQuickView[®] app. 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[®] DO 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	T100-2

Transmitter Specifications

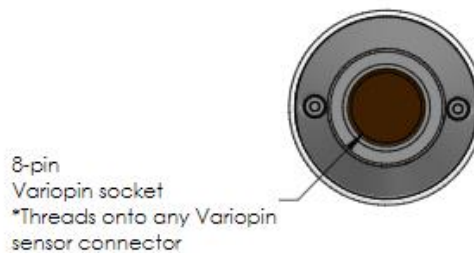
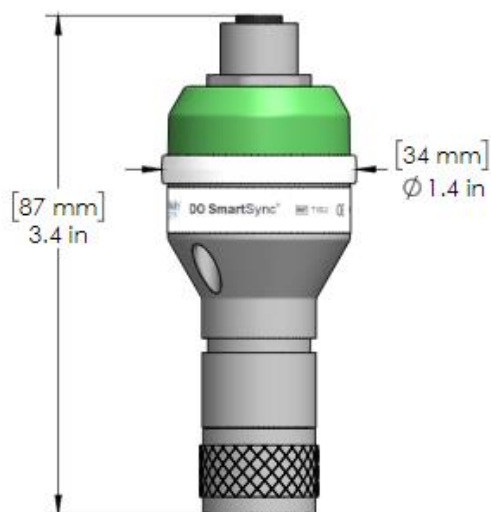
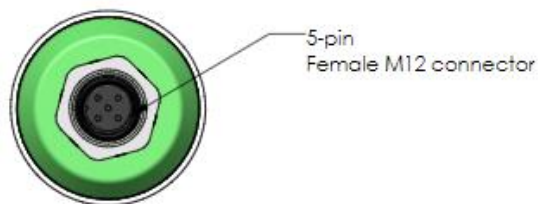
Output	Modbus RTU
Channels	1
mV Input	±300 nA
Type	<ul style="list-style-type: none"> • All Hybrid[®] Single-Use DO sensors • All Hybrid[®] Steam Sterilizable and Autoclavable DO sensors • All OptaProbe[™] Optical DO Sensors
User Interface	iQuickView [®] application via Bluetooth [®] wireless connection 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
Ratings	CE, IP67



T100-2 DO SmartSync[®]



Dimensional Drawings of T100-2



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Doc Nbr: PSS-092103 R3

Published 28 Feb 2022

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TMP-PSS-102101 R1