

DO STAT



BioTherm's DO Stat can be ordered with your TOOB Dissolved Oxygen system.



Your crop depends on consistency, and dissolved oxygen (DO) is a difficult variable to control, but the **BioTherm DO Stat** works with the TOOB to optimize DO levels at your set point. The DO Stat reads dissolved oxygen and temperature in your irrigation line or tank, and controls the oxygen infusion process.

Touch screen user interface displays real-time data and allows navigation to adjust settings and alarms. Dissolved Oxygen is indicated in mg/L (ppm) or in percentage of saturation. The Dissolved Oxygen readings automatically compensate for the temperature effects on the oxygen solubility and membrane permeability.

SPECIFICATIONS	
Voltage Amp	24 VAC, 50/60 Hz 2A Max (120/240VACx24V Transformer Provided)
Sensor Type	Optical DO Probe with 32.8ft (10m) cable
Range	0.0 to 40.0 mg/L (ppm) O2
Resolution	0.1 mg/L (ppm) or 1% (O2)
Accuracy	±1% of reading (O2)
Calibration	Not required
Material	EPDM, VMQ, PVC-U
Dosing Relay	(resistive- 5 A (3 A) at 250 VAC 5 A (3A) at 30 VDC, inductive -2 A (2 A) at 250 VAC 2 A (2 A) at 30 VDC) Fused at 2amp
Alarm Set Point	1 to 500% O2
Dosing Set Point	1 to 400 % O2; 1 to 40.0 mg/L (mg/L (ppm) O2 (control)
Hysteresis Band	1.0 to 10.0 mg/L (ppm) O2 (control)
User Interface	4.3" (diagonal) touch screen display
Cabinet	Nema 4x and ip66 weather-proof enclosure (6" x 6" x 4")
Alarm Options	Hi/Low DO alarm; configurable maximum safe alarm; manual override alarm (Dry Contact)