

WAVEPOD™ Integrated Instrumentation Unit

Integrated instrumentation unit for dissolved oxygen (optical sensing), pH and CO₂ gas mixing controls for use with the System20/50EHT series *Wave Bioreactor™*. Made of high quality stainless steel and aluminum; compact size and large color touchscreen for ease of use.



WAVEPOD-L version shown

Features: Color touchscreen
Built-in Ethernet interface
4-bay stainless-steel chassis

Dimensions: 15.6in x 10in x 14in (397mm x 254mm x 356mm)

Weight: 19lbs (8.6 Kg) **Shipping Weight:** 25lbs (11.3 Kg)

Performance:

RJ12-6 connector (bioreactor base)	Airflow set point 0.0 – 1.0 lpm
RJ11 MODBUS jack (Ethernet)	Airflow control range 0.0 – 0.5 lpm
pH control range 5 – 9	pH probe range 4 – 10; accuracy +/- 0.2 pH unit
DO measurement range 30 – 100% saturation	DO fiber optic probe accuracy +/- 0.5%
DO set point range 0 – 100% saturation	
CO ₂ set point range 0 – 15%	CO ₂ gas inlet pressure regulated 10 – 15 psig (0.7 – 1.0 bar)
CO ₂ control range 0 – 15%	CO ₂ gas inlet flow rate minimum of 0.2 lpm

Environmental: Operating conditions 5 to 40° C.
Operating humidity 10 to 90% non-condensing
Storage conditions -20°C to +60°C
Pollution Degree 1
IP30 rating
Indoor Use only

Power: 90-240 VAC, 50/60 Hz, 3 A (autoswitching)

**Catalog Numbers/
Configurations*:**

POD-L1111 – pH, DOOPT and CO₂MIX
POD-R1111 – pH, DOOPT and CO₂MIX

- "L" designation = left-side probe connections
- "R" designation = right-side probe connections

Options: Country-specific power cord