

## PODS Specifications

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Number of Channels:	8
ISO-MTD Size Channels:	4, 4.6, 6, 9.8, 14, 21.2, 38, 68 $\mu\text{m}$
ACFTD Size Channels:	~ 1, 2, 5, 10, 15, 25, 50, 100 $\mu\text{m}$
Flow Rate:	15 to 50 mL / min (automatic)
Calibration:	ISO 11171
Counting Efficiency:	Meets JIS B9925:1997
Concentration Limit:	90,000 particles/mL @ 10% coincidence
Sample Volume:	3 runs (averaged) of 5, 10, or 20 mL (programmable)
Fluid Temp Range:	0 to 90°C @ 25°C ambient (32 to 194°F) @ 77°F
Measured Fluid Temperature:	0 to 100°C $\pm$ 0.5°C (32 to 212°F $\pm$ 0.9°F)
Viscosity Range:	10 to 434 cSt (461 to 2000 SUS) $\pm$ 20% of value
Wetted Materials:	Aluminum, stainless steel, sapphire, PTFE, and Aflas
Cleanliness Classification:	ISO 4406-1991, ISO 4406.2-1999, NAS 1638, MIL-STD-1246C, NAVAIR 01-1A-1
Data Format (selectable)	ISOMTD, ISOACF, NAS, MIL, NAVAIR, P/10mL, P/1mL
Data Storage:	500 Sample Records
Housing:	Cast Aluminum
Dimensions:	8" (d) x 13" (w) x 14" (h) (20.0 cm x 33.0 cm x 35.5 cm)
Weight:	25 lbs. (11.5 kg)

### Input/Output:

Serial Communication:	RS232
Option connector:	+12VDC @ 25 mA; four, 12-bit analog inputs (0-5 V); +5 VDC @ 25mA, Digital Output (open collector)

### Bottle Operation:

Purge Volume:	15 to 30 mL (Automatic)
CO <sub>2</sub> Cartridge:	4.5oz, Replaceable, rechargeable, 60 Samples w/ full cartridge
Shop Air:	6.2 to 7.6 bar (90 to 110 psi) clean, dry

### Online Operation:

Fluid Pressure:	6.2 to 413.7 bar (90 to 6000 psi)
Purge Volume:	Programmable
Operating Time:	Programmable hold time and number of samples

### Power:

DC Input:	+24 VDC, 2A
AC Adapter:	Universal 100 - 240 VAC, 50 - 60 Hz, 60 W
Rechargeable Battery:	Nickel-Metal Hydride
Continuous Operating Time:	4 hours
Recharge Time:	2.5 hours

### Environmental Conditions:

Operating RH/Temp:	20 to 85% non-condensing / 0 to 50°C (32 to 122°F)
Storage RH/Temp:	Up to 98% non-condensing / -40 to 70°C (-40 to 158°F)

### Accessories:

Carrying Case	High Pressure Hose Adapter
CO <sub>2</sub> Bottles	Hand Pump (vacuum)
Plastic Sample Bottles	Display Cover (Optional)
Online Adapter	

### Standard:

