OCEAN DIAGNOSTICS

MORE SAMPLES IN LESS TIME

DISCOVERY PRO
eDNA SURFACE SAMPLER

Overview

Discovery Pro is a compact environmental DNA (eDNA) surface sampler with a positive pressure peristaltic pump to rapidly collect filtered eDNA samples from freshwater and marine environments. It is built for durability and is compatible with a wide variety of filter types and sizes. With additional features like integrated GPS, metering options, splash proof housing, protective bumpers, anti-slip feet, a high-contrast digital display, natural convection heat sink for continuous operation and audible sample completion alarm, you can tailor it to suit your personal sampling preferences.

Product Specifications

Power Source	Makita 18V LXT ™ Battery
Max. Battery Size for Flight	5.0 Ah / 90 Wh
Voltage Input	15 to 21 VDC
Typical Flow Rates	0.05 - 0.84 L/min
Max Suction	-95 kPa (-13.8 psi)
Max Pressure	552 kPa (80 psi) with Tygon S3 tubing
Weight	2.0 kg (4.4 lb)
Pump Type	Non-instrusive peristaltic
Ambient Operating Temperature	5 to 40 °C (41 to 104 °F)
Permissable Liquid Temperature	-5 to 60 °C (23 to 140 °F)
Compatible Tubing Wall Thickness	1.6 mm (1/16 in)
Max. Compatible Tubing Outer Diameter	7.9 mm (5/16 in)
Compatible Tubing Materials	Tygon S3 (recommended), silicon
Maximum Tubing Hardness	Shore 65A