

micROLAB  
600 Series

# ML600

AUTODILUTOR FOR THE FS3700 AUTOMATED WET CHEMISTRY ANALYZER



Manufactured by **HAMILTON**

**The ML600 Autodilutor was designed by Hamilton for use with the OI Analytical FS3700 flow analyzer, FlowView™ software, and autosamplers. Save time, reduce effort, and reduce sample loss with no compromises to data quality.**

The ML600 provides automatic generation of calibration standards from stock solutions, increasing precision, accuracy, and reproducibility relative to manual dilution. In conjunction with FlowView, the ML600 automatically detects over-range samples, applies the correct dilution factors based on initial concentrations of the samples, and runs samples without any interaction from the user. The ML600 ensures that following samples are not adversely affected by over-range samples with automatic re-run of followers after over-range samples.

**Don't get slowed down by followers or over-range samples anymore!**

# ML600 AUTODILUTOR MODULE SPECIFICATIONS

Feature	Specifications
<b>Dilution Ratio Range</b>	1:1.5 to 1:1,000
<b>Drive</b>	1.8° Stepper motor with optical encoder
<b>Configuration</b>	Dual-syringe
<b>Dilution Syringe</b>	5 mL or 10 mL
<b>Sample Syringe</b>	0.100 mL, 0.250 mL, or 0.500 mL
<b>Fluid Path</b>	Borosilicate, PTFE, CTFE, PFA
<b>Power Requirements</b>	100 - 240 VAC, 50 - 60 Hz, (3A/1.5A)
<b>Power Supply</b>	Separate module (included)
<b>Communications to PC</b>	USB-to-RS232 (from PC to Diluter) (cable included)
<b>Communications to Valve</b>	TTL (cable included)
<b>Dimensions</b>	177.8 x 139.7 x 266.7 mm (7.0 x 5.5 x 10.5 inch)
<b>Weight</b>	5.9 kg (13 lbs)
<b>Operating temperature</b>	5-40 °C (41-104 °F)
<b>Storage temperature</b>	-20 to 70 °C (-4 to 158 °F)
<b>Humidity range</b>	20-90% non-condensing
<b>Compliance</b>	FCC Part 15, Class B EMC: EN 61326-1, Class B
<b>Valve Ports</b>	4
<b>Valve Positions</b>	2 (A=Normal/Bypass; B=Dilution/In-line)
<b>Valve Power Requirements</b>	100-240 VAC, 50-60 Hz, (2.2A/1.1A)
<b>Valve Power Supply</b>	Separate module (included)
<b>Valve Communications to Dilutor</b>	TTL (cable from Dilutor module)
<b>Valve Dimensions</b>	106.7 x 61.0 x 177.8 mm (4.2 x 2.4 x 7.0 inch)
<b>Valve Weight</b>	1.8 kg (4 lbs)

SPECIFICATIONS XA00192

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