



M5 MicroLC and M5 MicroLC-TE Specifications

The M5 MicroLC is a feature rich microflow LC-MS solution meant to simplify both small and large molecule quantitation and characterization. In addition to using a small sample size, this extremely sensitive, versatile instrument will help you save on costs, space, and fully integrates with your SCIEX mass spectrometer of choice.

SYSTEM SPECIFICATIONS	VALUE
PUMP	
Flow rate range	
Analytical gradient	1-10 $\mu\text{L}/\text{min}$, 5-50 $\mu\text{L}/\text{min}$, or 20-200 $\mu\text{L}/\text{min}$ (depending on model)
Loading gradient (TE model only)	20-200 $\mu\text{L}/\text{min}$
Maximum pressure	10,000 PSI
Retention time reproducibility	< 0.5% RSD (@20 $\mu\text{L}/\text{min}$; 5-50 $\mu\text{L}/\text{min}$ model)
Gradient delay volume	< 3 μL
Wetted parts	Stainless steel, titanium, PEEK, Fused Silica, FEP, PTFE, and ceramic
AUTOSAMPLER	
Sample capacity	6 micro titer plates (96 or 384 well) 6 vial adapters for 54 x 2 ml vial
Injection/auxiliary valve (TE model only)	6 port 6-32 thread size (1/32") Port-to-port volume < 60 nL
Injection needle	Stainless steel; 225 gauge (0.15 mm ID)
Syringe	100 μL
Injection volume range	2-80 μL
Injection volume precision	< 1% RSD full loop < 2% RSD partial loop
Carryover	< 0.005% (benzophenone)
Sample compartment temperature range	4 - 40° C (ambient must be 24° C or less to reach 4° C)
Wetted parts	Stainless steel, PEEK, FEP, glass
SYSTEM	
Dimensions (L x W x D)	33.5" x 22.8" x 27.6" (85 cm x 58 cm x 70 cm) Add 14 cm (5.6 inches) to width for the optional bottle rack
Weight	110 pounds (50 kg) 140 pounds (64 kg), TE model

SYSTEM SPECIFICATIONS	VALUE
SYSTEM (continued)	
Power	100 V - 240V AC; 250 VA
Working temperature	15-30 °C
I/O	
Communication	USB
TTL	Run in
Contact closure	Ready out/Run out/Valve out/2 programmable auxiliary
Ethernet	
Instrument control	Controlled by SCIEX Analyst® 1.6.3 software or higher, and TF 1.7 software or higher Use with Eksigent Control Software 4.3 or higher Use with Analyst Device Driver 1.3 or higher

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