

Pump CM6170	
Maximum operating pressure	140,0 MPa (0,001 – 2000 ml/min); 80,0 MPa (2001 – 2500 ml/min)
Flow rate range	0,001 to 5000 ml/min
Flow rate accuracy	±1% (0,200 – 2,5 ml/min)
Flow rate precision	0,005% RSD
Mixer	55 µl double-cork mixer for optimal gradient performance. (Two mixers included as standard)
Pump CM6270	
Maximum number of samples	120 (1,5 ml); 72 (4 ml) (option); 195 (1 ml) (option); 192 (96-holes microplate x 2) (option); 768 (384-holes microplate x 2) (option)
Sample injection method	Cut injection method; All volume injection method; Full loop injection method
Syringe capacity	70 µl (standard); 175 µl (option); 700 µl (option)
	≤0,15 % RSD (in 10 µl injection, Cut injection method)
	≤0,20 % RSD (in 5 µl injection, Cut injection method)
	≤0,50 % RSD (in 1 µl injection, Cut injection method)
	≤0,20 % RSD (in 10 µl injection, All volume injection method)
	≤0,40 % RSD (in 5 µl injection, All volume injection method)
	≤0,70 % RSD (in 1 µl injection, All volume injection method)
Reproducibility of injection volume	≤0,001 % (Cut injection method)
Carryover	Correlation coefficient: ≥0,999 (Cut injection method)
Linearity of injection volume	±2%
Injection volume accuracy	Approx. 28 s (stand-alone)
Minimum injection operating time	1 to 45 °C (in increments of 1 °C)
Thermostat (option)	UI-PAD (Keyboard)
Optional accessories	
Column oven CM6310	
Temperature setting range	4 to 90 °C (in increments of 1 °C)
Temperature setting accuracy	±0,5 °C (20 to 85 °C in preheating)
Temperature control precision	SD ≤0,1 °C
Columns accommodated	300 mm columns x 3 pcs; 6 pcs (100mm x 6 or 50 x 3, 100mm x 3)
Available valves	6-column selector valve (max. 1200 bar)
UV-VIS-Detector CM6420	
Optical system	Double-beam ratio photometric system (dispersion with diffraction grating)
Light source	D2 lamp; W lamp; Hg lamp (for checking monochromator wavelength)
Measuring wavelength range	190 to 900 nm
Measuring mode	1-wavelength and dual-2wavelength-mode
Spectral bandwidth	6 nm
Wavelength accuracy	±1 nm
Noise	0,5 × 10-5 AU or less
Drift	1,0 × 10-4 AU or less
Flow cell	Quartz, SUS, Fluororesin (Optical path length 5 mm, cell diffusion capacity 3,2 µl)
Withstand pressure of flow cell	1,0 MPa
Optional accessories	Flow Cell (Optical path length 10 mm, cell diffusion capacity 13 µl)
DAD-Detector CM6430	
Optical system	Single beam photometric system (dispersion by diffraction grating)
Light source	D2 lamp, Hg lamp (for wavelength check)
Measuring wavelength range	190 to 650 nm
Measuring mode	Spectrum
Wavelength accuracy	±1 nm
Noise	0,5 × 10-5 AU or less
Drift	0,4 × 10-3 AU or less
Linearity	2,0 AU (5%) (acetone, 250 nm)
Flow cell	Quartz, SUS, Fluororesin (optical path length 10 mm, cell capacity 13 µl)
Withstand pressure of flow cell	6,0 MPa
FL-Detector CM6440	
Optical system	Ratio photometry; Intensity of transmitted beam is monitored
Light source	Xe lamp (150 W) & Hg lamp (for wavelength check)
Excitation wavelength range	200 to 850 nm
Emission wavelength range	250 to 900 nm
Spectral bandwidth	15 nm
Wavelength accuracy	±3 nm
Wavelength repeatability	±0,5 nm
Sensitivity (15 nm slit)	S/N ratio for Raman peak of water 450 or more (Baseline method) S/N ratio for Raman peak of water 300 or more (Tangent method)
Sensitivity (30 nm slit)	S/N ratio for Raman peak of water 550 or more (Baseline method)
Flow cell	3 µl
Withstand pressure of flow cell	1,0 MPa