SECcurity GPC1260

New Solutions for Comprehensive Analysis of Macromolecules

Flexible Design

PSS SECcurity GPC1260 is a high performance, modular GPC/SEC system with proven reliability and robustness and high sensitivity.

The flexible design allows to meet current application requirements and to be prepared for future demands:

from isocratic to gradient:
    Isocratic to quaternary pump upgrade kit extends the solvent range to 4 solvents
from standard to thermostated:
    Standard autosampler thermostat upgrade for defined conditions between 4 to 40 °C
from standard to specialized:
    Standard GPC system upgrade to
    • analytical system with more detection power (LS, Visco, Triple *plus* and more)
    • HighSpeed separation
    • (semi-)preparative operation with automated fraction collection

Instrument Control

SECcurity GPC1260 is fully supported by PSS WinGPC Unity and can be controlled with the WinGPC SystemPilot over LAN or RS232 or directly at the instrument itself:

• The PSS WinGPC Unity SystemPilot can control up to four systems per license simultaneously. Mixed configurations (SECcurity in combination with instruments from other brands) are fully supported.
GPC/SEC dedicated functions and easy-to-use end actions ensure highest productivity and optimized work flow.

• The GPC1200 Controller provides direct single system control without PC - for easy instrument setup and direct functionality access while maintenance.
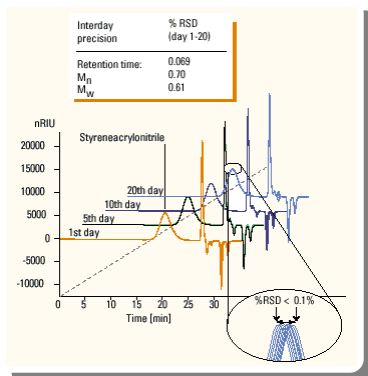
The system is integrated in the WinGPC Compliance Pack with Qualification workbook.

Unmatched Performance

GPC precision relies on pump performance. The SECcurity pumps convince with highest inter- and intra-day retention volume precision.

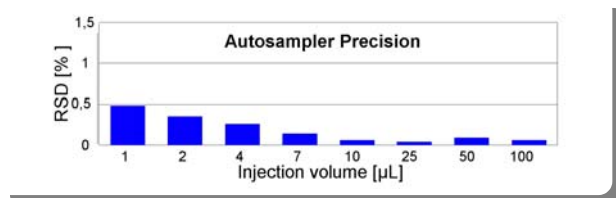This increases the result accuracy and avoids the need of recalibration saving time and solvent. Optional WinGPC Unity internal standard correction increases long-term reproducibility even further.

Precise injection volume is important for conventional GPC/SEC with RI and/or UV detection. Accurate injection volume is fundamental for upgraded systems with light scattering or viscometry detection.

The SECcurity autosamplers show highest precision < 0,5% RSD and superior accuracy. Additional benefits are the fast cycle time and the unique flow-through design that make this system first choice for HighSpeed analysis.

The SECcurity refractive index detector (RID) combines exceptional baseline stability with efficient work-flow support through an integrated solvent saver, easy accessible via SystemPilot end action settings.

Scalability

The modular and flexible design of the SECcurity GPC1260 ensures secure investment in the future of your lab. Future expandability exists on various levels:

upgrade with intelligent detection and new methods increases the information content and provides a deeper inside view:
- on-line Multi Angle Laser Light Scattering detector SLD7000
- on-line Viscometry detector ETA2010
- FTIR/MALDI detection
- 2D chromatography
- copolymer analysis

upgrade with innovative informatics solutions supports the internal work flow and ensures transparent, efficient, time and cost saving operation:
- WinGPC Unity client/server solution
- GPC1260 control via LAN
- integration into OpenLAB or LIMS

Compliance

Comprehensive system and instrument log-books, accessible via WinGPC SystemPilot, guarantee traceability and transparent operation. Early maintenance feedback (EMF) tracks system usage and timely alerts replacement of parts for an increased uptime.

Support and Service

PSS provides full services for all stages of a system's life cycle, from installation and upgrade to validation, operation, and repair. PSS service for the GPC1260 includes GPC/SEC dedicated system tests as well as performance tests for application specific requirements.

Order information		
	404-0101	SECcurity Isocratic Pump
	404-0104	SECcurity Autosampler
	404-0106	SECcurity RI-Detector
	404-0107	SECcurity UV-Detector
	404-0136	SECcurity Controller
	400-0073	WinGPC Unity Software
	400-1010	WinGPC SystemPilot
	401-0018	Universal Data Center UDC810
	Options	Service contracts, SLD7000, ETA2010, ELSD, Fraction collector, Compliance Pack, and others

Product names are protected by manufacturers. Missing marks do no necessarily mean that they are free for use.
The information in this publication is subject to change without notice.