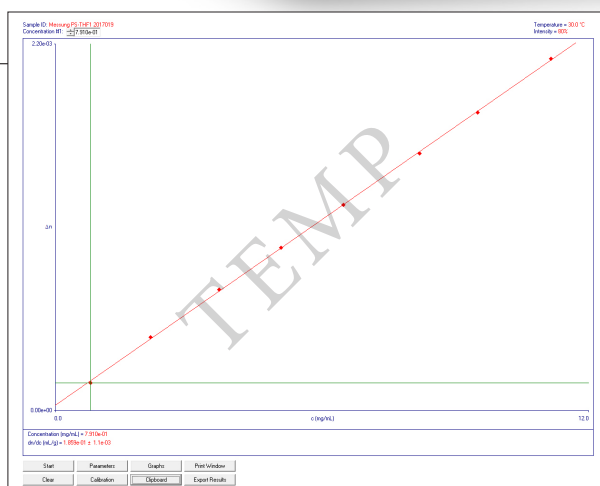


Viscometer Detector *HK Series*



**Easy
Flexible
Intuitive**

Within a GPC/SEC Chromatography system, a viscometer allows use of a universal calibration. Molecular weights obtained with this method, are therefore independent of the polymer standards used to build the calibration and can be considered to be close to absolute values. Also, a viscometer will allow determination of further molecular parameters giving insight about the physical structure of the investigated polymer and even opening the gate to determination of branching parameters.

All viscometers for GPC/SEC currently on the market, including the Viscometer, base their principle on the measurement of the differential pressure across a capillary network. TESTA has been able to dramatically reduce the noise level and increase sensitivity by more than an order of magnitude compared to any viscometer available. This fact allows usage at much lower flow rates than it has been possible until today. Detection of lower molecular weight and at lower concentration are now also possible. Semi-micro applications are currently easily reached.

SPECIFICATIONS

Detection type	4 capillary on-line viscometer
Signals	Simultaneous measurement delta pressure and inlet pressure
Noise level	0.2 Pa, diff. pressure channel, 25° C
Cell	Asymmetric bridge with 80/20 split
Pressure transducers	Fast-responding Hastelloy pressure transducers without hysteresis
Temperature range	Ambient to 80° C
Software	ParSEC GPC/SEC Software - Advanced GPC/SEC Software for Macromolecular Characterization
Common Specifications	
Mains Power	90-230 V / 65 W
Temperature Accuracy	± 0.5° C
Temperature Stability	> 0.01° C
Digital Interface	USB
Weight	15 Kg approx.
Size (W, H, D)	380 x 150 x 380 mm

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