

SALIENT CHARACTERISTICS

The HT GPC should meet or exceed the following technical specifications when evaluated as described for each value:

Operating Temperature Range

40 °C up to 220 °C

Solvent Reservoir

Capacity: at least 4 L

Temperature: maintained at 40 °C

Autosampler

Injection volume: 10 to 500 mL

Number of samples: 24 or more

Vial size: 2-10 mL injection vials

Temperature: must be able to heat in the range of 40 °C up to 220 °C

Pump

Type: Dual, independent, and temperature controlled (40 °C up to 220 °C)

Max pressure: 15 MPa

Flow Rate: 0.1 to 2.0 mL/min

Precision: +/- 0.2%

Accuracy: +/- 3%

Oven

Capacity: 7.8 mm ID x 30 cm or smaller

Temperature range: 40 °C up to 220 °C

Detector

Type: RI dual flow with a tungsten light source, must be able to add a viscometer detector after initial purchase

Drift: 3×10^{-7} RIU/h

Noise: 1.5×10^{-7} RIU/h

Volume: 10 mL

Additional Features/Requirements

All software and hardware (desktop, monitor, printer, etc.) required for data analysis must be included in the quotation. The data file format should easily allow sharing/transfer of data files as individual electronic documents, which are readable by the same data analysis package. The data analysis program should also include a .pdf generator, for the efficient export of analyzed plots.

The quotation must include an on-site installation and training.

Instrument must come with at least 1-year warranty, parts, and labor included, from date of installation.