

Hydrocarbon dew-point analysis EnCal 3000 (C₉)

Carrier gas:

- Helium 50l x 200 bar /a

Calibration gas:

- N₂, CO₂
- Alkanes: C₁, C₂, C₃, iC₄, nC₄, neoC₅, iC₅, nC₅, nC₆, nC₇, nC₈, nC₉
- Cyclic components: Benzene, cyclohexane, methylcyclohexane, toluene

Calibration:

- Automatic, daily
- Fully traceable



Extended GC analysis within 5 minutes:

- N₂, CO₂
- Alkanes: C₁, C₂, C₃, iC₄, nC₄, neoC₅, iC₅, nC₅, C₆, C₇, C₈, C₉ incl. isomers < nC₉
- Cyclic components: Benzene, cyclohexane, methylcyclohexane, toluene



Hydrocarbon dew-point calculation:

- Modelling of unknown components
- Modelling of C₁₀, C₁₁, C₁₂ by concentration breakdown
- EoS: Peng-Robinson or Redlich-Kwong-Suave
- Reference pressure: Live or fixed values
- Cricondentherm
- Potential hydrocarbon liquid content (PHLC)