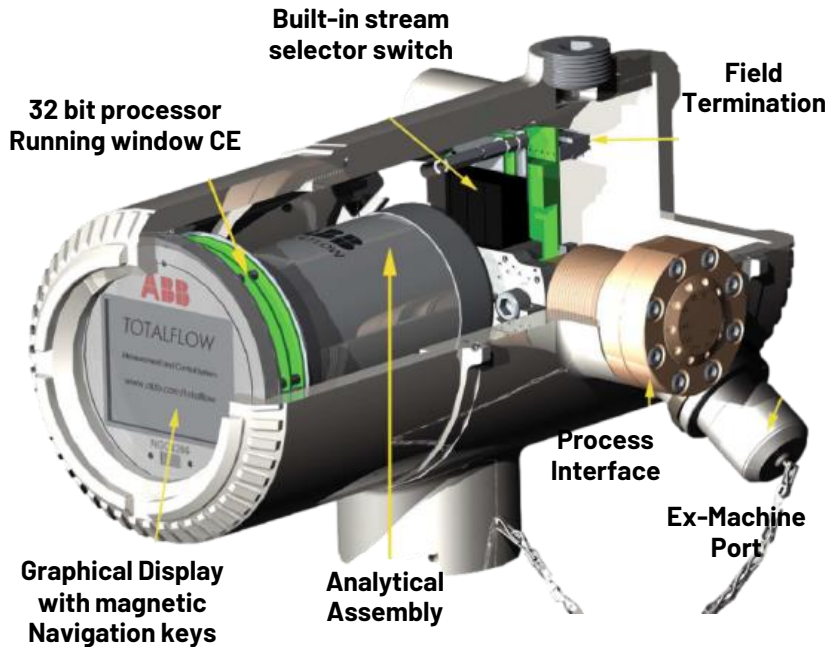


NATURAL GAS CHROMATOGRAPHY



ABOUT US

Potentia has 25 years of rich experience for execution of projects in the Oil & Gas, Fertilizers, & Power sectors of Pakistan. We have years of hands-on experience in commissioning and installation of complete gas chromatograph package in multiple industrial sectors of Pakistan.

ABOUT NGC

Our Natural Gas Chromatograph represents the most rugged, economical, versatile, and high-precision on-line gas chromatographs in the industry. Designed with flow computer and chromatograph capabilities for energy metering, it provides not only best-in-class, on-site analysis, but also offers a highly versatile platform that integrates many of the functions you need to deliver greater productivity.

NGC models provide accurate and reliable knowledge of gas composition and other vital parameters to ensure the quality of the product, and to determine precise quantity when transferring the product for sale. With its custody-transfer/metrology-quality chromatography, the NGC delivers all of the measurement information you need, including:

- Relative density
- Heating value
- VOS (velocity of sound)
- GPM (gallons of liquid per thousand cubic feet)
- Wobbe index
- HCDP (hydrocarbon dew point)
- AGA8 compressibility calculations
- H₂S measurement

STANDARD COMPUTATIONS
 PROVIDE HEATING VALUE,
 RELATIVE DENSITY,
 WOBBE INDEX,
 CONDENSATE

OPTIONAL COMPUTATIONS
 PROVIDE SPEED OF SOUND,
 VAPOR PRESSURE AND
 HYDROCARBON DEWPOINT*
 (OTHERS ON REQUEST)

**EXPLOSION PROOF
 GRAPHICAL USER INTERFACE**



SERVICEABILITY
 COMPLETE UNIT CONSISTS OF ONLY
 THREE REPLACEABLE MODULES

SELF DIAGNOSTICS THAT
 GENERATE LOG FILES

REMOTE OPERATION:
 OFFSITE MAINTENANCE
 BY FACTORY EXPERTS

THE CORE ANALYTICAL
 COMPONENTS ARE ON A SINGLE,
 EASY-TO-INSTALL MODULE



Simplicity

- Easy to install – compact size permits lighter-weight, small-footprint installation at the sample point
- Easy to start up – factory-calibrated, ready to install using startup diagnostics, startup wizards
- Easy to operate – whether using the graphical local display with magnetic navigation keys or using the graphical MMI, as shown below, simple operation is assured from the ground up
- Graphical LCD magnetic touch display:
 - View status, results, and chromatograms
 - Invoke mode changes (cal, hold, run)
 - User-configurable LCD screen



APPLICATION FLEXIBILITY

INDUSTRIAL / COMMERCIAL
PIPELINE TIE-INS
ENERGY PLANTS
LANDFILL
CITY GATES
HIGH-END SAMPLERS
GAS DISTRIBUTION
INTEGRAL FLOW-ENERGY*
C6+
C7+*
C9+*
O₂/N₂*
H₂S%*

PRECISION

- + Rugged field unit with laboratory-type precision
- + +/- 0.125 Btu at reference temperature
- + +/- 0.25 Btu over operating temperature
- + Best stated precision for on-line chromatograph
- + Stable oven utilizes high-speed digital control
- + Dual calibration stream option
- + Double-precision equations of state, e.g., dew point, speed of sound, vapor pressure*

We facilitate our customers by providing them complete package including sample handling system, highly accurate **calibration and UHP carrier cylinders** with all **necessary fittings and accessories** required to install GC at cheaper price as compared to the market.



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