



Overview

A comprehensive, integrated suite of oil and gas fluid and flow measurement software providing robust calculations with rigorous traceability to national and international standards.

International

Wide selection of calculations based on national and international standards, papers and manufacturers data. Includes API, AGA, ASTM, GPA, IP, ISO, EN, BS.

Compliance

Confirmed for each value and result. The compliance is displayed for each calculation in the Compliance Window.

Traceability

Ensured by thorough detailed specification of calculations and testing during development of the software. Independent data is used to validate calculations so the highest quality results are provided for fiscal, custody transfer and process metering.

Units

Imperial and SI are provided with automatic on-the-fly conversion, traceable to standards.

Numerical Format

Number of decimal points or scientific notation may be adjusted for each data point. Full resolution can be viewed in a pop-up by placing mouse pointer over the displayed value.

Database

Storage of calculations by project and SOLV-SET™. SOLV-EXPLORER™ provides a menu tree for ease of navigation.

Reports

All calculation reports can be printed on the International Letter and European A4 paper.

Help

Online accessible from each calculation including standards traceability. Telephone and email support are included in the warranty.

Calculations

Liquid Meters

Composite Oil Calculation: API MPMS Ch. 11.1
Orifice - AGA3:1992
Orifice - ISO5167:1980 Venturi - ISO5167:1980
Orifice - ISO5167:1991 Venturi - ISO5167:1991
Orifice - ISO5167:1997 Venturi - ISO5167:1997
Orifice - ISO5167:2003 Venturi - ISO5167:2003

Gas Meters

Orifice - AGA3:1992
Orifice - ISO5167:1980 Venturi - ISO5167:1980
Orifice - ISO5167:1991 Venturi - ISO5167:1991
Orifice - ISO5167:1997 Venturi - ISO5167:1997
Orifice - ISO5167:2003 Venturi - ISO5167:2003

Liquid Instruments

Densitometer - Solartron 783x/784x/1762

Liquid Properties

Base Sediment and Water (BS&W)
Density, Volume - Base to Observed - MPMS Ch. 11.1
Density, Volume - Observed to Base - MPMS Ch. 11.1
Isokinetic Flow

Gas Instruments

Gas Densitometer - Solartron 7810
Gas Densitometer - Solartron 7811
Gas Densitometer - Solartron 7812
RD Analyser Appendix A - Solartron 3098
RD Analyser Appendix A - Solartron 3096
RD Analyser Calibration Check - Solartron 3098
RD Analyser Calibration Check - Solartron 3096

Utilities

Local Gravity
Orifice Plate Deflection:BS1042 (Jepson & Chipchase)
Platinum Resistance Thermometer:BS1904
Platinum Resistance Thermometer:BS EN60751

Gas Properties

Density, Compressibility - AGA8:1985
Density, Compressibility - AGA8:1994
Density, Compressibility, CV -ISO6976:1983
Density, Compressibility, CV -ISO6976:1995
Density, Compressibility,HV-GPA2172:1996/2145:2003
PTZ, Density, Volume, Mass, - ISO6976, GPA2172
Sampler Lag Time Direct, Fast Loop
Murdock Wet Gas Correlation
Speed of Sound, CP/CV, Isentropic Exp. - AGA10:2003
JT Correction for Orifice and Venturi

Gas Uncertainty

Venturi Uncertainty - ISO5167:1991
Orifice Uncertainty - ISO5167:1991

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