



**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.

**Engineering 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

**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

**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 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

**Utilities**

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

**Gas Uncertainty**

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

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