

smank

Solutions | Technology | Knowledge

COMPLETE SOLUTIONS FOR

OIL & GAS

MEASURE • CONTROL • OPTIMIZE

For Safe, Smart & Sustainable
Oil & Gas Operations



SAFE
OPERATIONS



RELIABLE
PERFORMANCE



MAXIMUM
EFFICIENCY



SUSTAINABLE
FUTURE



UPSTREAM

Exploration • Drilling • Production



MIDSTREAM

Transportation • Storage • Terminals



DOWNSTREAM

Refining • Processing • Distribution



1. FLOW METERS

Gas Flow Measurement

- ★ Gas Flow Meters
- ★ Ultrasonic Gas Meters
- ★ Turbine Gas Flow Meters
- ★ Coriolis Mass Flow Meters

Rotary Gas Meters

Gas Volume Converters



Liquid & Process Flow Measurement

- ★ Electromagnetic Flow Meters
- ★ Vortex Flow Meters
- ★ Ultrasonic Flow Meters

Thermal Mass Flow Meters

Variable Area Flow Meters / Rotameters



2. TRANSMITTERS

A. PRESSURE TRANSMITTERS

- ★ Differential Pressure Transmitters
- ★ Multi-Variable Transmitters
- ★ Remote Seal Pressure Transmitters

Gauge Pressure Transmitters

Absolute Pressure Transmitters



B. LEVEL TRANSMITTERS

- ★ Radar Level Transmitters
- ★ Guided Wave Radar Level Transmitters
- ★ Ultrasonic Level Transmitters



C. TEMPERATURE TRANSMITTERS

- ★ Field Mounted
 - ★ Head Mounted
 - ★ DIN Rail Mounted
- RTD Sensors
Thermocouple Sensors
Temperature Switches



3. GAS ANALYZERS

- ★ Gas Chromatograph Analyzers
- ★ Zirconia Oxygen Analyzers



4. LIQUID ANALYZERS

- ★ pH/ORP Analyzers
- ★ Toroidal Conductivity Analyzers
- ★ Dissolved Oxygen (DO) Analyzer
- ★ COD/BOD

Chlorine Analyzers

Turbidity Analyzers

Ozone Analyzers

Multi-Parameter Water Quality Analyzers

Effluent Water Quality Analyzers



5. CONTROL VALVES & ACTUATION

Control Valves

- ★ Globe Control Valves
- ★ Ball Control Valves
- ★ Butterfly Control Valves
- ★ Diaphragm Valves

Angle Seat Valves



Valve Automation

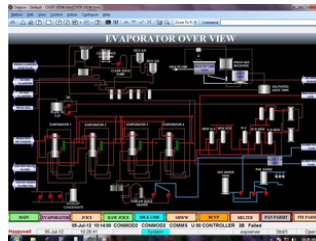
- ★ Valve Positioners
- ★ Actuated Valves
- Solenoid Valves



6. CONTROL SYSTEMS & AUTOMATION

Process Control

- ★ DCS
- ★ PLC
- ★ SCADA
- ★ Process Controllers
- HMI
- Remote I/O



7. SPECIAL ANALYZERS

- ★ Silica Analyzer
- ★ Sodium Analyzer
- ★ Phosphate Analyzer
- ★ TOC Analyzer
- ★ Iron Analyzer
- ★ Hydrazine Analyzer



- ★ ppb DO Analyzer
- ★ Portable DO Analyzer
- ★ SWAS
- ★ CEMS

