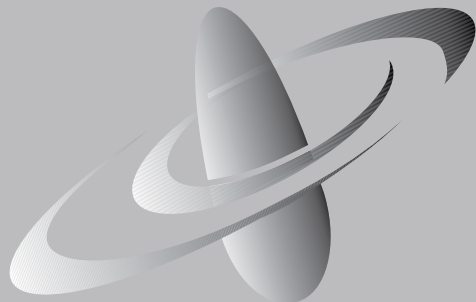


ORB

instruments, inc.



**On-line Property
Analyzers**

Worldwide Service



Product Portfolio

Petroleum Analyzers

- Flash Point
- Salt in Crude
- RVP
- RVP/VL20
- Cloud Point
- Freeze Point
- Pour Point
- Viscosity
- Viscosity Index

Water Analyzers

- UV-Organics
- UV-Oil in Water

Other Products

- Environmental Cabinets
- Sample Conditioning Systems
- Sample Recovery Systems
- Spare Parts

Analyzer Services

- Field Service
- Start-Ups
- Training
- Technical Support

ORB Instruments, Inc.—designs and sells on-line physical property analyzers for the petro-chemical industry. This new analyzer product company, sister to Orb Enterprises, leverages 20 years of design, manufacturing and analyzer service experience designing state-of-the-art on-line analyzers and superior customer service to provide process monitoring solutions.

Over the past two decades consolidation of the instrumentation market stagnated on-line analyzer design as increased demand for better products and improved technical support continues unsatisfied. ORB Instrument's vision and customer focus delivers compact, robust on-line analyzers to meet these needs. Orb analyzers are easy to install, operate and maintain, while meeting or exceeding specific application demands with much shorter lead times.

ORB Instruments simply delivers greater value to the market, with aggressive investment in R&D, new designs, technology, and superior technical and customer support.



PETRO-CHEMICAL ANALYSIS

P-500 Flash Point

25°C to 125°C measurement range
ASTM D-56, D-93 test methods

P-600 Salt in Crude

0-400 PTB, 0-1000 mg/l measurement range
ASTM D-3230 test method

P-700 Reid Vapor Pressure (RVP)

0-35 psi measurement range
ASTM D-323, D-4953, D-4982 & D-5191 test methods

P-780 Reid Vapor Pressure & VL20

25°C to 65°C measurement range (VL20)
0-35 psi measurement range (RVP)
ASTM D-323, D-4953, D-5482, D-5181 & D-5188 test methods

P-820 Cloud Point

-60°C to 25°C measurement range
ASTM D-2500 or IP-219 test methods

P-800LT Freeze Point

-100°C to 25°C measurement range
ASTM D-2386 or IP-16 test methods

P-840 Pour Point

-60°C to 25°C measurement range
ASTM D-97 or IP-15 test methods

P-900 Viscosity

2-4000 cP measurement range
ASTM D-445 test methods

P-950 Viscosity

2-4000 cP measurement range
ASTM D-445 and D-2270 test methods

WATER ANALYSIS

W-700 UV Organics

0-50 ppm measurement range
DIN 38404-C3/AFNOR XPT90-210 test methods

W-800 Oil & Water

0-100 ppm measurement range
No applicable test methods

ALL ORB ANALYZERS FEATURE:

- ▶ **Rapid sample analysis for excellent on-line process control**
- ▶ **State-of-the-art design, utility & reliability**
- ▶ **CE compliant**
- ▶ **Worldwide hazardous area compliance (including ATEX)**
- ▶ **Low-cost operation**
- ▶ **Easy installation and operation includes:**
 - Space saving footprint
 - Standardized electronics and software for greater reliability
 - Modular analytics simplify maintenance and repair
 - Easy-touch magnetic keypad
 - Larger color graphic display with user-friendly interface
- ▶ **Worldwide field service and support**

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