



Jorin Visual Particle Analyser (ViPA)



The Jorin ViPA (Visual Process Analyser) is a particle size determination instrument, designed to operate at process temperatures and pressures. It can record data continuously or describe batch measurements.

The ViPA uses a video microscope capture system in conjunction with powerful imaging analysis software. The software assesses each individual particle observed for size, shape and optical density and classifies each as either solid, gas or oil. The data accumulated is processed and presented as a formal report by trained CETCO technical operators.

A typical application of the ViPA system would be to describe the characteristics of objects within process fluids, both upstream and downstream of process equipment e.g. hydrocyclones, pumps, filters etc.

The information obtained can be used to diagnose process problems, assess equipment performance or as an analytical tool to control a process in an informed manner.

- Particle size analysis system
- Video microscope image capture
- Continuous or batch measurement
- Live process conditions (temperature and pressure)

Application Flexibility

User defined parameters allow the ViPA to be used to report different objectives

- Diagnose and locate process problems
- Separation monitoring
- Assess shear impact across components
- Chemical optimisation

High pressure, high temperature flow cell (120 Bar, 120° C)

Portable EEx-p enclosure with certification to EN50 016 ATEX directive for operation in Zone 2 environments

All parts in contact with environment or liquid flow from 316 SS, industrial sapphire and Viton

Integral ViPA workstation including membrane keyboard, trackball and LCD display, CD-RW and removable HDD.

JORIN - 62cm x 63cm x 50cm high

Crate - 78cm x 78cm x 77cm high

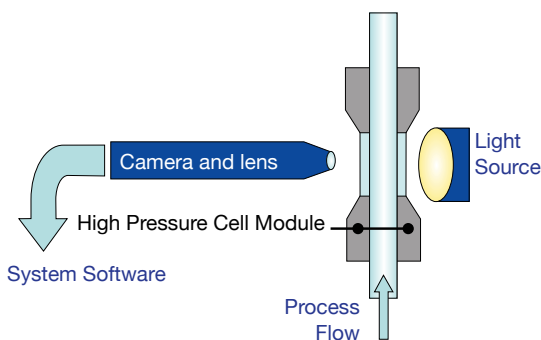
Weight 100kg

Utilities

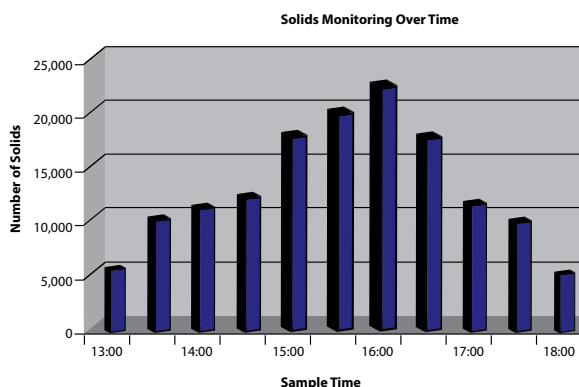
110V electrical supply

Plant/Instrument air

Operation



Some Examples Particle Concentration Investigation



WATER TREATMENT



CETCO
OILFIELD
SERVICES

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