

JISKOOT Sampling and Analysis System

TECHNOLOGY



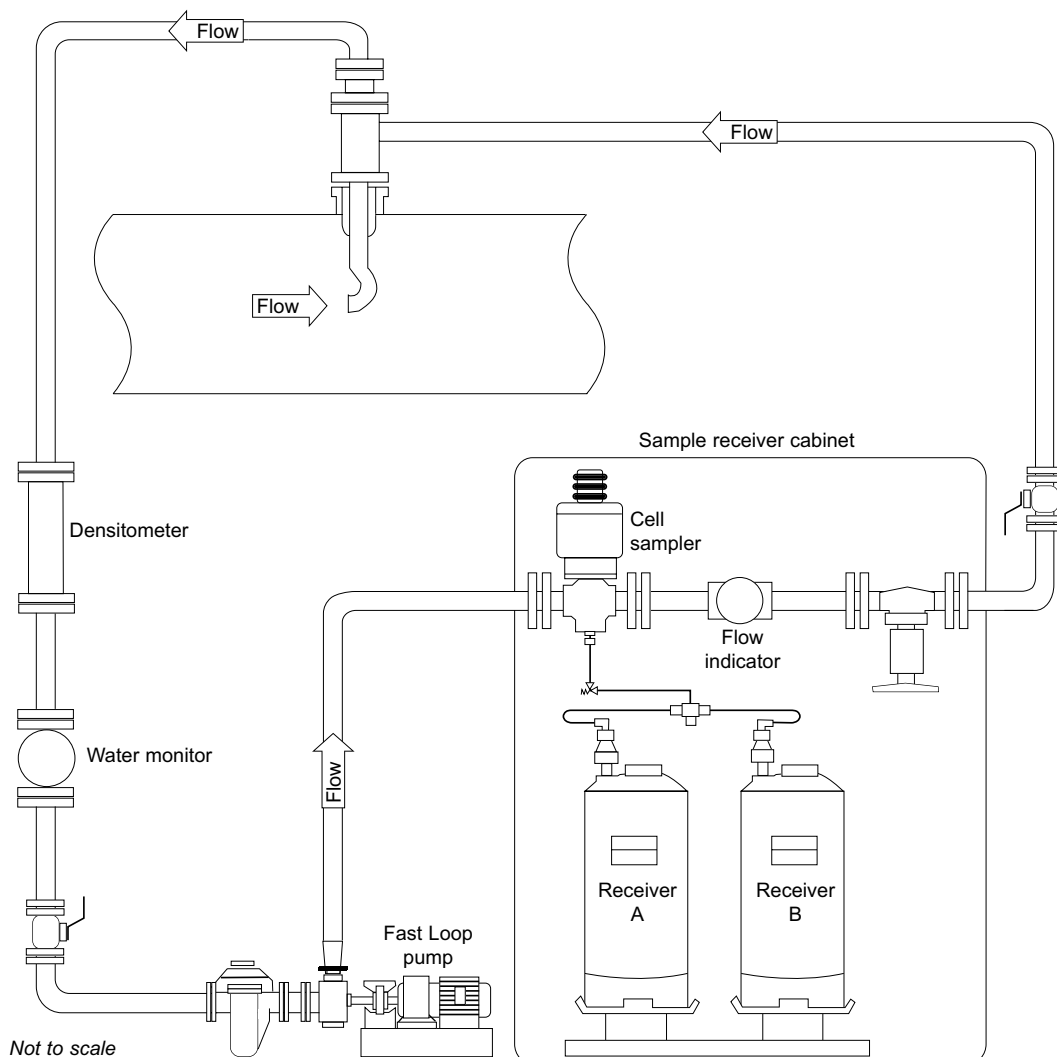
JISKOOT Sampling and Analysis System

Online measurement of properties like viscosity, density and water-in-oil during custody transfer, allocation or quality determination is a growing trend. To avoid measurement errors or bias it is crucial that online devices are installed in a location with representative flow.

When measuring fluids like oil and water the most applicable sampling standards are the ISO, API and IP. These standards recognize that representative flow is required to achieve accurate measurement. They also provide methods for assessing and ensuring accuracy is achieved.

- Integrated sampling and analysis
- Guarantee analyzer representivity
- ISO, EI (IP), API and ASTM compliant
- Built-in cross-validation, between sampler and analyzer
- Eliminate instrument process off-set errors
- Low installation cost

Typical System Schematic



Applications

- Crude oil
- Condensate
- Low temperature liquid hydrocarbons
- Refined products
- Hazardous liquids

The representivity and low measurement uncertainty of fast-loop and CoJetix® sampling systems make them an ideal location for the installation of online instruments.

Integration of these devices as part of a certified sampling system maximizes the accuracy and repeatability of the instrument and reduces measurement uncertainty from installation affects.

Pressure and temperature instruments can also be installed in the same loop to avoid any process offset.

Installing devices in the same loop allows online devices to be accurately cross-correlated using the sampler. This also provides primary samples for initial calibration and ongoing verification. Samples also can be used as the basis for re-calibration if fluid properties change.

JISKOOT™ has over twenty years experience of integrating online measurement devices as part of allocation and custody transfer sampling systems. These are often weekly and monthly sampling and analysis systems for offshore allocation measurement.

Cameron's JISKOOT sampling and analysis systems are engineered to give you the confidence that the measurement provided by the online devices are representative and can be cross-correlated and calibrated using the most accurate sampling technology available today.



Dual densitometers installed in a sampling and analysis system

An online assessment of pipeline mixing in accordance with ISO3171 annex can be performed at www.c-a-m.com/jiskoot

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Learn more about measurement at:

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HSE Policy Statement

At Cameron, we are committed ethically, financially and personally to a working environment where no one gets hurt and nothing gets harmed.