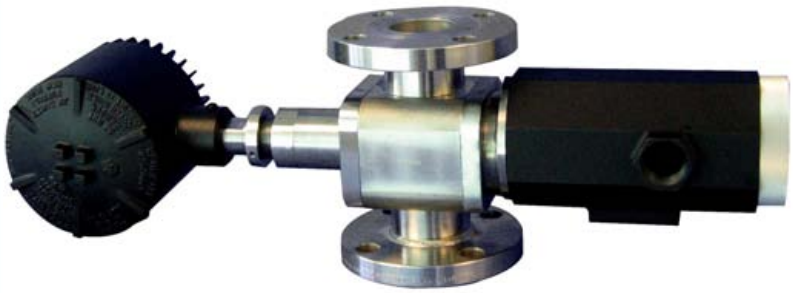
INFLOW™

The CANTY ADVANTAGE!

OIL IN WATER / WATER IN OIL / MULTIPHASE OIL / PRODUCED WATER / TAR SANDS MEASUREMENT SYSTEMS



THE CANTY INFLOW

Combining the latest in CCD Ethernet camera technology, with Canty fused glass technology, high intensity lighting and CANTYVISIONCLIENT™ software, the INFLOW™ provides real time inline analysis (size & concentration) of Oil and Solids (Sand) in Water, or Water and Solids in Oil.

JM Canty's vision based technique works on the fundamental principle of presenting the fluid (water / oil stream) between a high intensity light source and microscopic camera. The captured images are then analysed by the CANTYVISIONCLIENT™ software, where the suspended particulate (oil, water, solids, gas bubbles) is measured under a number of different parameters to provide size, shape and concentration data. Software filters (size / shape) are applied so oil / water, solids, and air bubbles are individually & simultaneously analysed.

FEATURES

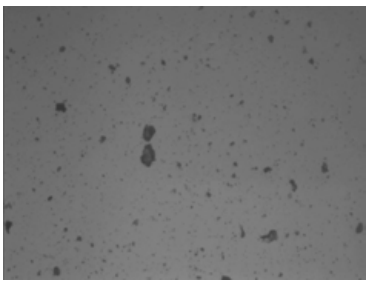
Ethernet Connectivity (Remote Monitoring / Support)
Intuitive Software Interface
Data Outputs in the Form of Excel Database
Control Output Options via OPC / 4-20mA
Fused Glass Process Barrier
High Intensity Lighting
Integral Jet Spray Ring (Cleaning)
FM EXP / ATEX FP Options

ADVANTAGES

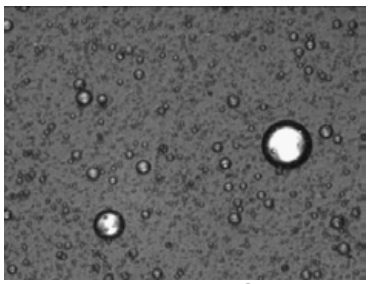
Real Time Inline Measurement (No Sampling)
Centre Pipeline Measurement (Most Representative)
Visual Verification
Simultaneous Measurement of Oil / Water and Solids
Flow Rates to 9ft/s (water stream)
Up to 5% Particle Concentration (Higher for Droplet Size Measurement Only)
+/-1% Accuracy of Calibrated Scale

COMMON APPLICATIONS

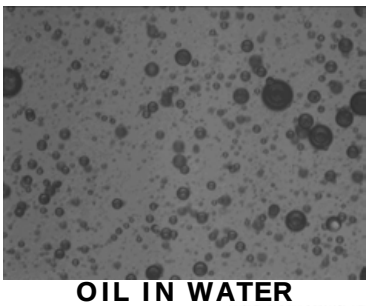
Oil in Water: Environmental Regulations, Separation Equipment Performance Analysis & Optimization
Solids in Water: Avoid Well Plugging (WFI), Limit Equipment & Pipeline Clogging / Erosion, Separation Equipment Performance Analysis & Optimization
Water / Solids in Oil: Adherence to Pipeline & Refinery Standards, Limit Equipment & Pipeline Erosion, Separation Equipment Performance Analysis & Optimization



SAND IN WATER



WATER IN OIL



OIL IN WATER

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Document P/N: TA11014-1 Rev. 1

VISION WITHOUT LIMITS
CANTY PROCESS TECHNOLOGY

INFLOW™

The CANTY ADVANTAGE!

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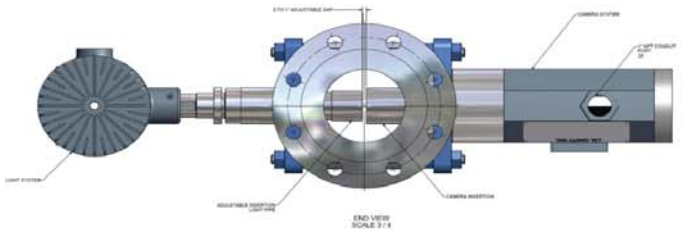
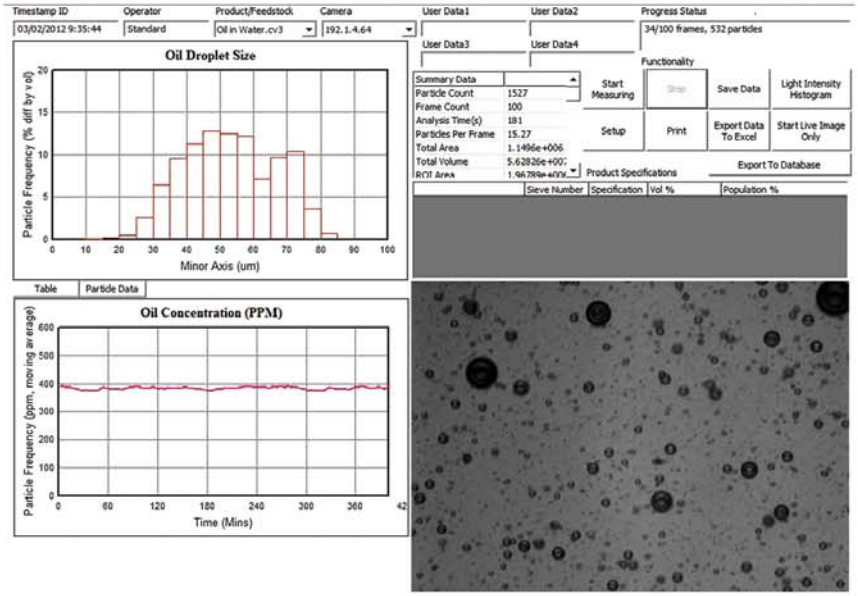


*Illustration above property of Ascom BV

OPERATOR SCREEN



HOW TO ORDER: Select the appropriate symbols and build a part:

V O 6 C 1 1 1 A A 1 V

APPLICATION
- O - Oil In Water
- M - Multiphase
- W - Water in Oil

SYSTEM CLASSIFICATION
- 6 - Standard Optics

CONNECTION TYPE
- B - Swagelok®
- C - Flange (ANSI/DIN)
- E - NPT (Female)

CONNECTION SIZE

0 - 1/2" (12.7mm)	4 - 4" (100mm)
1 - 1" (25mm)	6 - 6" (150mm)
5 - 1.5" (38mm)	8 - 8" (200mm)
2 - 2" (50mm)	9 - 10" (254mm)
3 - 3" (80mm)	A - 12" (305mm)

WETTED METAL MATERIAL
- 1 - 316L Stainless Steel
- 2 - Hastelloy® C276 or equal
- 3 - Hastelloy® C-22® or equal
- 4 - Carbon Steel

INTERNAL SEAL MATERIAL

B - BUNA	N - NEOPRENE
V - VITON®	K - KALREZ®
S - SILICONE	C - CHEMREZ®
E - EPDM	

ENVIRONMENTAL RATING
- 1 - NEMA 4 WEATHERPROOF
- 2 - IP 66
- 3 - EXPLOSION PROOF
- 4 - FLAME PROOF

ANSI OR DIN PRESSURE RATING / FLANGE PATTERN

ANSI	DIN
A - 150 PSI	D - 10 BAR
B - 300 PSI	E - 16 BAR
C - 600 PSI	F - 25 BAR

CONSULT FACTORY FOR PRESSURE RATING UP TO 10,000 PSI.

INPUT POWER
- A - 120 V AC / 60Hz / 250W
- B - 230 V AC / 50Hz / 250W

NON WETTED METAL MATERIAL (PRESSURE BEARING)
- 0 - Carbon Steel
- 1 - 300 Series Stainless Steel

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