

# ISSYS Model 106 In-Line Density & Chemical Concentration Meter

“The World’s Smallest, Lowest Price Inline Density Meter”



Measure:  
 Density  
 Specific Gravity  
 Chemical Concentration  
 Temperature

## THE NEED

Accurate measurement of density, has significant value for process monitoring, analysis, and quality control for a variety of applications. For example, accurate density measurement provides:

- Excellent in-situ, real-time, quality control measurement for industries such as food and beverage, petrochemicals, fuels, semiconductors, and pharmaceutical products.
- Accurate measurement of certain liquid parameters such as alcohol percentage, dilution levels, and concentration in chemicals and beverages. Ideal for fuel cell sensors. A methanol / water concentration output is available.
- Simplification of distillations, fermentations and post-synthesis drug development purification by easily tracking test solution concentration and eliminating unneeded test solution steps in the pharmaceutical industry

## THE SOLUTION

ISSYS' inline density meter utilizes proprietary micro-tube technology. The micro-density meter actuates the micro-tube to its resonant frequency. By monitoring the frequency change in the micro-tube, the fluid density or chemical concentration can be accurately measured.

## THE PRODUCT

The model 106 in-line micro-density meter provides a method of continuously monitoring liquids. The system provides 3.5 digits of density accuracy between 0 to 2 gm/cc. A methanol / water concentration output is also available for fuel cells. It has an RS232 or 4-20mA output. Fluid connection options include 1/4", 1/8" and 1/16" fittings as well as high flow rate bypass configurations. It operates from 0 to 60 psig, between 5 and 50 °C.

Electrical Requirements:  
 5 Vdc, 150mW. Size: 50cm<sup>3</sup>

[Call for a quote today!](#)

