



Process Imaging  $\pi$ g

# IF100A

## BENCHTOP ANALYZER

### *Versatile online analysis*

For a wide range of applications, online particle analysis is the most appropriate, low cost and safest way to monitor process waters for mineral or vegetable oils, fuels, hydraulic oil and solid concentrations.

Our customers enjoy the benefits of our worldwide exposure, product development, and distribution network. Service personnel are deployed from regional support centers in North America, Asia, Europe, West Africa, and the Middle East.

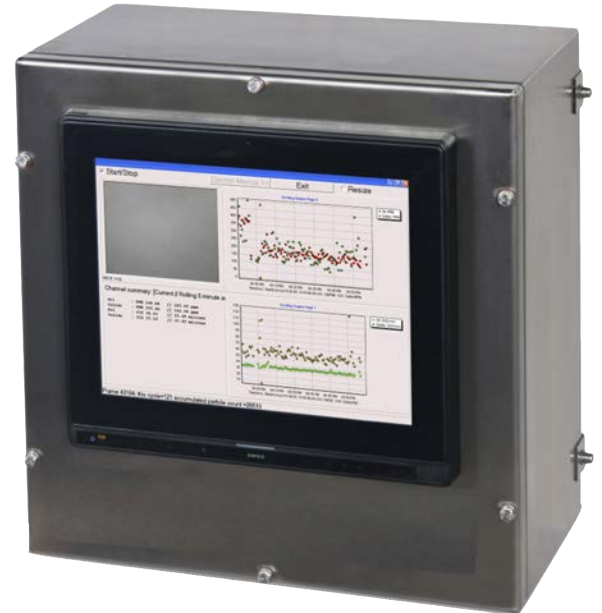
### VIDEO MICROSCOPY

The IF100A uses automated video microscopy to provide enhanced particle data including particle counts, particle size distributions and full differentiation between particulate types, for example, fluid contaminants and solid particles.

### ONLINE SIMPLICITY

The IF100A is a single-box product operated for simple installation and is entirely operated by a touchscreen interface. It is preconfigured for use straight out of the box, without the need for user training.

Fluid in the IF100A's flow cell is backlit by a light source, while a camera captures images of particles in the fluid through a sapphire window. The images are then analyzed.



### FEATURES

- Compact form can be installed close to the sample point or used as a portable process optimization tool
- Control software capable of complex particle analysis
- Wetted materials to meet fluid specifications
- Rugged flow cell rated for high pressure and harsh environments

### ACCESSORIES

- Supplied with steel legs for benchtop use
- Optional peristaltic pump
- Optional flight case for easy transportation of the analyzer and laptop

# IF 100A

## DATA SHEET

Particle size range	1.2–150 microns
Resolution	0.375 microns
Particle concentrations	0–2000 ppm
Ambient temp range	0–50 °C
Sample temp limits	-10–200 °C [15–392 °F]
Sample pressure	0–150 bar [0–2175 PSI]
Power supply	110–230 V 50/60 Hz
Data output	Modbus TCP/IP
Enclosure	304SS, Weight 20 kgs [44 lbs]
Enclosure rating	IP65
Sample connections	1/4" NPT F
Options	24 VDC power supply Modbus RTU or 4–20 mA outputs Flow control module 316SS enclosure



**#1 Worldwide**  
for process and environmental  
oil in water monitors