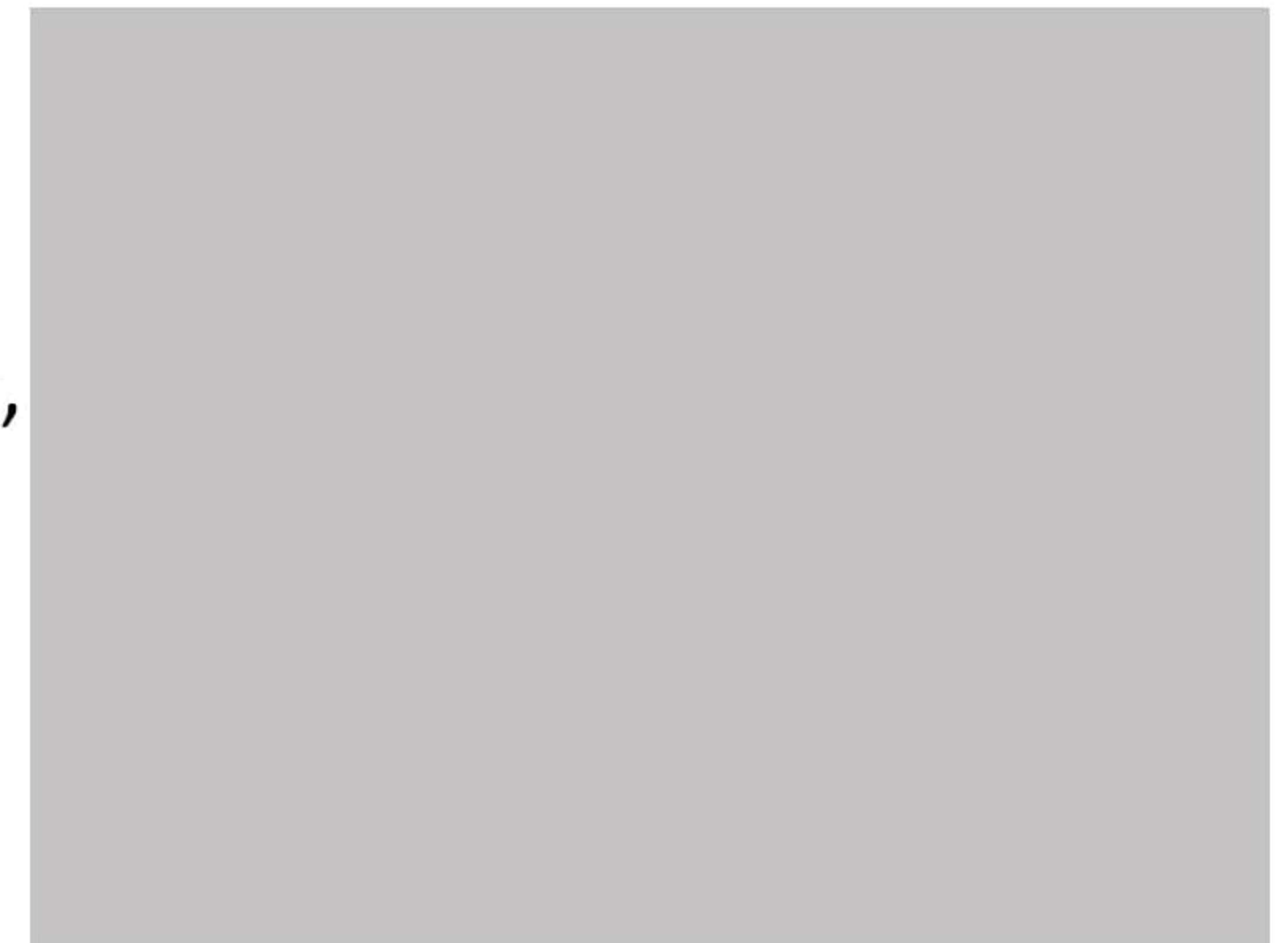


## FLUID PROPERTY AND MOISTURE ANALYZER

The FPA364 is a novel fluid property sensor that will directly and simultaneously measure the viscosity, density, dielectric constant, moisture and temperature of fluids. Relying on patented tuning fork technology, capacitance the sensor monitors the direct and dynamic relationship between multiple physical properties to determine the quality, condition and contaminant loading of fluids.



### Typical applications

- Monitoring of**
- Transformer oil
  - Lubrication oil
  - Hydraulic oil
  - Engine oil

### Features

- Real time data of all the parameter
- Inbuilt data logger
- Graphical representation
- Easy Installation
- Highly reliable & long term stability

### Specifications

Multi-Parametric Measurement Ranges	Symbol	Min	Typ	Max	Unit
Viscosity (dynamic)	$\mu$	0.5	15	50	mPa-s (cP)
Viscosity (dynamic) Accuracy for viscosity > 10 mPa-s (cP)		-5	+/-2	+5	% Value
Viscosity (dynamic) Accuracy for viscosity < 10 mPa-s (cP)			+/-0.2		mPa-s (cP)
Density	$\rho$	0.65	0.85	1.50	gm/cc
Density Accuracy		-3	+/-1	+3	% Value
Dielectric Constant	$\epsilon$	1.0	2.0	6.0	-
Dielectric Constant Accuracy		-3	+/-1	+3	% Value
Fluid Temperature	T	-40		100	°C
Temperature Accuracy	T		0.1		°C
Water Content	X	0		10000	PPM
Water Activity	AW	0		1	-
Water Activity Accuracy			+/-0.02aw		