

Tracerco™ Density Measurement Instrumentation

Measure your process with confidence

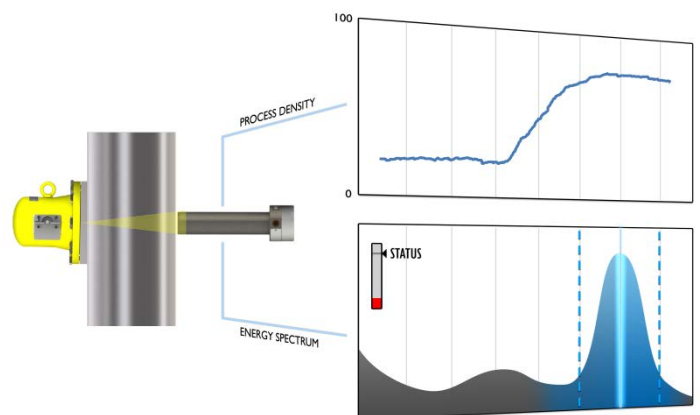
Tracerco™ Density Measurement Instrumentation delivers reliable, non-contact density measurement for improved reliability and proactive maintenance. Designed using innovative scintillator based technology, Tracerco™ Density Measurement Instrumentation is a non-contact, no moving parts measurement solution that provides accurate and extremely reliable density measurements. This enables operators in the oil, gas, petrochemical, refining pulp and paper and mining industries to solve the most challenging process measurement and control problems.

Key features

- Self-diagnostics
- Repeatable and accurate measurements
- Extended level measurement ranges up to 45m (148 feet)
- Advanced signal processing

Benefits

- Improved reliability – automatically compensates for ambient temperature changes, and scintillator and photomultiplier ageing
- Highly ruggedised for continuous operation
- Built-in condition monitoring to predict component failures and end-of-life estimations



Tracerco™ Level Measurement Instrumentation specification

Performance			
Technology	Scintillator 2" NaI (TI) crystal	Range	up to 45m (147.6 ft)
	Scintillator Plastic PVT (polyvinyl toluene)	Repeatability	±1% typical (application dependant)
Accuracy	±1% typical (application dependant)		
Electrical characteristics			
Supply voltage	18-27Vdc; 100-240Vac (50–60Hz)	Input	Auxiliary 4-20mA
Power consumption	0.5-18W; model dependent	Output	• 2-wire HART 7, 4-20mA • N/O volt-free contact
Mechanical characteristics			
	Active length	70mm (2.76"), 250mm (9.8"); 500-3000mm (19.7-118.1") in multiples of 500mm (19.7")	
	Overall length	335-3193mm (13.2-125.7"); model dependent	
	Cable entries	Up to 3; metric and imperial configurations available	
	Weight	3.7-15.5kg (8.2-34.2lbs)	
	Housing	316L, IP66	
Environmental			
Approvals	ATEX, IECEx, CSA & FM	Operating and storage temperaturee	-54°C to +60°C (-65°F to +140°F); model dependent
Method of protection	Flameproof (Ex db and Ex tb) Explosion Proof (XP))	Compliance	Shock and vibration: ISO 13628- 6:2004 (Q1) 30g shock, 5g vibration EMC: 2014/30/EU, EN61326-1:2013
Additional information			
Accessories		Lid removal tool, mounting bracket, blanking plugs, connectors, HART modem	
Spares		Electronics Stack sub-assembly (SA266-1)	
Product code		T251	
Software		Tracerco Toolbox	