

Hyperion™

Bulk level and density measurement

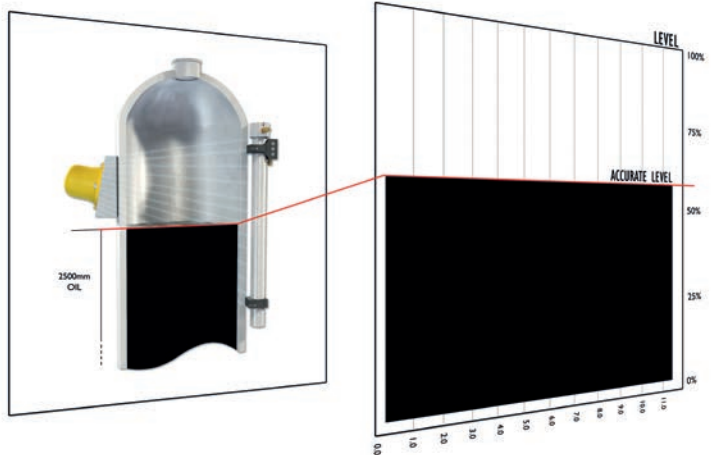
Designed using innovative scintillator-based technology, Hyperion™ is a non-contact, no moving parts measurement solution that provides accurate and extremely reliable bulk level and density measurements. This enables operators in the oil, gas, petrochemical, refining, pulp and paper and mining industries 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



Hyperion™ specification

Performance			
Technology	Scintillator 2" NaI (TI) crystal	Range	up to 45m (147.6 ft)
	Scintillator Plastic PVT (polyvinyl toluene)	Repeatability	±1% typical (application dependent)
Accuracy	±1% typical (application dependent)		
Electrical characteristics			
Supply voltage	18-27Vdc; 100-240Vac (50-60Hz)	Input	Auxiliary 4-20mA
Power consumption	0.5-18W; model dependent	Output	<ul style="list-style-type: none"> • 2-wire HART* 7, 4-20mA • N/O volt-free contact
Mechanical characteristics			
		Active length	70mm (2.76"); 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 4; 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 temperature	-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	

* Not registered with the FieldComm Group.