

Level, interface and multiphase measurement

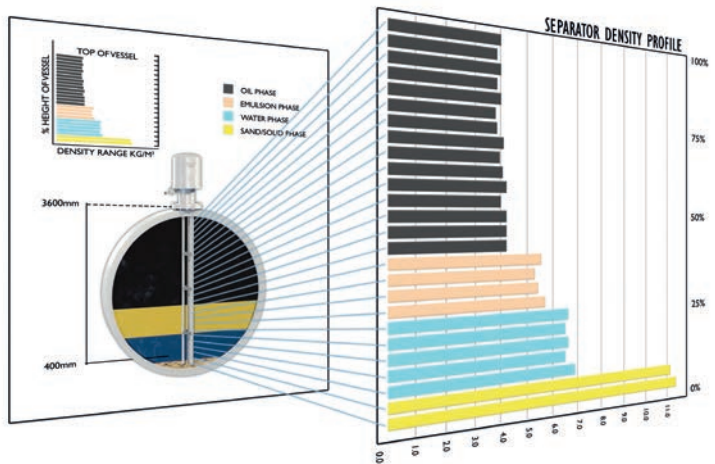
The Profiler™ GPS provides a ‘window’ into the vessel to enable the operator to improve production throughput, reduce the number of unscheduled shutdowns and achieve significant cost savings. The Profiler™ GPS has no moving parts and is installed in some of the most challenging and diverse applications, ranging from subsea oil and gas processing, to downstream refining.

Key features

- Extremely reliable with zero moving parts
- Low maintenance

Benefits

- Increases production throughput
- Measures and controls the distribution of fluids
- Determines the interface between water and oil or oil and gas
- Provides real-time process optimisation
- Minimises shutdowns and reduces chemical additives costs



Profiler™ GPS specification

Performance			
Technology	Geiger-Müller	Resolution	30mm (1.1")
Accuracy - level	±1% typical (application dependent)	Repeatability	±0.5% typical (application dependent)
		Range (single/extended)	4500mm (177")/ up 9000mm (29.5 ft)
Electrical characteristics			
Supply voltage	24Vdc @ 100mA	Input	<ul style="list-style-type: none"> • Modbus RTU over RS-485 • Passive isolated 4-20mA
Power consumption	<7W	Output	<ul style="list-style-type: none"> • Modbus RTU over RS-485 • Modbus TCP/IP over Ethernet • 5 off isolated 4-20mA (active or passive) • N/O volt-free contact
Mechanical characteristics			
		Active length	Customisable; 60-9000mm (2.3-354") in multiples of 60mm (2.3")
		Overall length	Customisable; model dependent
		Weight	Customisable; model dependent
		Cable entries	4; metric or imperial
		Housing	316L, IP66
		Pressure retaining part	Customisable; model dependent
Environmental			
Approvals	ATEX, IECEx, CSA & FM	Operating and storage temperature	-100°C to +195°C (-148°F to +377°F); model dependent
Method of protection	Intrinsic safety	Compliance	EMC: 2014/30/EU, EN61326-1:2013
Additional information			
Spares		Signal processor (SA31/1 & SA31/2)	
Product code		T240, T229	
Software		Tracerco ToolBox	