

Level, interface and multiphase measurement

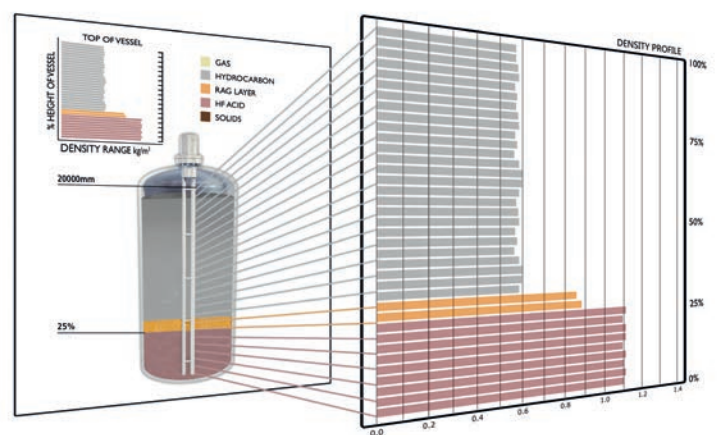
The Profiler™ TGA provides extremely reliable liquid level and interface measurements for alkylation units and other harsh service environments. The Profiler™ TGA is specifically designed to measure the vertical distribution of multiple interfaces in real time and at high resolution.

Key features

- Extremely reliable
- Low maintenance

Benefits

- Reduces possibility of acid runaway
- Increases production throughput
- Optimises acid recirculation
- Provides real-time process optimisation
- Minimises shutdowns and reduces chemical additives costs
- Reduces the number of instruments/leakage paths
- Improves purity management



Profiler™ TGA specification

Performance			
Technology	Geiger-Müller	Resolution	60mm available
Accuracy - level	±1% typical (application dependent)	Repeatability	±0.5% typical (application dependent)
		Range (single/extended)	4320mm (170")/ up 34.5m (113.2 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; 240-4320mm (9.4-170") in multiples of 240mm (9.4")	
	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	-40°C to +85°C (-40°F to +185°F)
Method of protection	Intrinsic safety	Compliance	EMC: 2014/30/EU, EN61326-1:2013
Additional information			
Spares	EHT module (SA-1), EHT module (SA-8/3), HART PCB (SA-4/1), Interface board (SA-5/4), Interface board (SA-6/4)		
Product code	T218, PRI-150, T224, T229		
Software	Tracerco ToolBox		