

Table of parameters																
Measuring Point	Size & Shape & Concentration	Particle Concentration	Particles Measurement Range	Flow Rate	Medium Visibility	Solid/Liquid Particles	Probe Diameter	Probe Wetted Length	Pressure Rating	Pipe Diameter	Temperature Rating: Quench oil	Quench water				
3&4	-	ppm	100 – 500µm (max 5000)	up to 3.61m/s	dark oil/water	-	-	-	1,9MPag/19barg	DN300	160°C	80°C				
Device	Size & Shape & Concentration	Minimum Particle Conc.	Particles Measurement Range	Flow Rate	Lowest Medium Transparency	Solid/Liquid Particles	Probe Diameter	Probe Wetted Length	Pressure Rating (max)	Pipe Diameter	Temperature Rating (Medium)	-	Scanning System	Web	Part Number	Problem
<b>Mettler Toledo</b>													-			
ParticleTrack-E25	size, conc	>10%	0.5 – 2000µm	-	dark oil	oil, water, solid particles	25mm	400mm	10barg	-	-10 to 90°C	-	Focused Beam Reflectance Measurement	<a href="http://us.mt.com/us/en/home/products/L1_AutochemProducts/FBRM-PVM-Particle-System-Characterization/FBRM/ParticleTrack-E25-FBRM.html">http://us.mt.com/us/en/home/products/L1_AutochemProducts/FBRM-PVM-Particle-System-Characterization/FBRM/ParticleTrack-E25-FBRM.html</a>	-	particle concentration, temperature for q.oil, preassure
ParticleTrack G600T Ex	size, conc	>10%	0.5 – 2000µm	-	dark oil	oil, water, solid particles	25mm	400-1000mm	10barg (300barg custom)	-	-80 to 150°C (custom)	-	Focused Beam Reflectance Measurement	<a href="http://us.mt.com/us/en/home/products/L1_AutochemProducts/FBRM-PVM-Particle-System-Characterization/FBRM/FBRM-G600-Ex-Process-Technology.html">http://us.mt.com/us/en/home/products/L1_AutochemProducts/FBRM-PVM-Particle-System-Characterization/FBRM/FBRM-G600-Ex-Process-Technology.html</a>	-	particle concentration, temperature for q.oil
<b>JM Canty</b>																
InFlow particle analyzer	size, shape, conc	ppm	0.7 – 20 000µm	up to 2.7432m/s	dark oil	oil, water, solid particles, gas	-	-	5bar	max 200mm	-200 to 300°C	-	CCD Ethernet camera	<a href="http://www.jmcanty.com/wp-content/uploads/2015/05/TA10601-1-INFLOW-PARTICLE-SIZING-SYSTEM.pdf">http://www.jmcanty.com/wp-content/uploads/2015/05/TA10601-1-INFLOW-PARTICLE-SIZING-SYSTEM.pdf</a>	VS2C811AF1V	pipe diameter
Portable Inflow	size, shape, conc	ppm	0.7 – 20 000µm	-	dark oil	oil, water, solid particles, gas	-	-	35barg	-	-200 to 300°C	-	CCD Ethernet camera	<a href="http://jmcantybta.jmcanty.com/itemDetail.aspx?itemId=TA11317-1">http://jmcantybta.jmcanty.com/itemDetail.aspx?itemId=TA11317-1</a>	PIF-M6B011AC1B	bypass
Oil in water, water in oil, multiphase oil, produced water, tar sands measurment systems	size, shape, conc	ppm	0.7 – 20 000µm	up to 2.7432m/s	dark oil	oil in water, water in oil, multiphase oil, produced water, tar sands	-	-	25barg	300 mm	-200 to 300°C	-	CCD Ethernet camera	<a href="http://jmcantybta.jmcanty.com/_private/CustDetailedInfo/Products/TA11014-1.pdf">http://jmcantybta.jmcanty.com/_private/CustDetailedInfo/Products/TA11014-1.pdf</a>	VM6CA11BF3V	flow rate - can be modified
<b>Malvern</b>																
Insittec Wet	size, conc	>10%	0.1 – 2500µm	0.01m/s to 50m/s	oil	oil, water, solid particles	-	-	10barg	-	10°C to 70°C	-	Laser diffraction	<a href="http://www.malvern.com/en/products/product-range/insitec-range/insitec-wet/default.aspx">http://www.malvern.com/en/products/product-range/insitec-range/insitec-wet/default.aspx</a>	-	transparency in medium - laser beam can't get through the oil, particle concentration, temperature, pressure