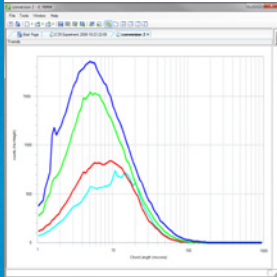
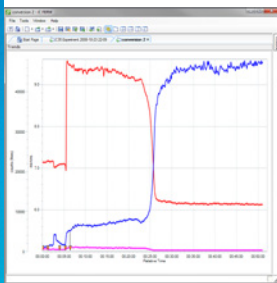


Inline Particle Measurement Faster Process Development and Scale-up



Inline Measurement of Particle Dimension, Shape, and Count

ParticleTrack G600L measures changes in particle dimension, shape and count. Real-time trends and distributions track changes to particles as they naturally exist in process eliminating the need for offline sampling.



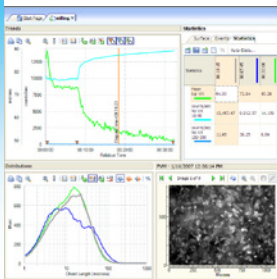
Understand, Optimize, and Transfer

Understand how the particle system responds to changes in critical process parameters. Optimize particle distribution to improve process performance and product quality. Transfer the process to achieve batch repeatability and process stability at any scale.



Designed for Robust and Reliable Performance

ParticleTrack G600L is ideal for small pipelines or laboratory vessels. The pneumatically driven probe connects to a dust tight field unit through a reinforced conduit. A robust air bearing design ensures consistent and reliable performance from -80°C to 150°C.



iC FBRM™ Software

iC FBRM provides powerful data acquisition and interpretation tools to quickly and easily evaluate experimental data. Combine FBRM data with inline PVM® (Particle Vision and Measurement) images for direct visual confirmation of results, leading to faster understanding and optimization of particle and droplet systems.



ParticleTrack™ G600L

Particle and droplet processes are inherently difficult to optimize and control. Sampling for offline particle size analysis often changes the properties of the particle system or can actually disturb the process. ParticleTrack G600L with FBRM® (Focused Beam Reflectance Measurement) technology is a real-time quantitative measurement that tracks the rate and degree of change to particles, particle structures, and droplets as they actually exist in process. Inline ParticleTrack measurements enable scientists and engineers to quickly link particle system dynamics to process conditions - assuring optimal product quality efficiency such as filtration and other downstream processes.

Inline Particle Measurement

Faster Process Development and Scale-up

Technical Data

Detection Range	0.5 to 2000µm
Probe Wetted Alloy	C22 (standard)
Probe Window	Sapphire with Kalrez® 6375 O-rings (standard), TM (optional)
Probe Tip Diameter	19mm
Probe Wetted Length	406mm
Conduit Length	5m [16.4ft]
Probe Tip Temp Range	-10 to 120°C (standard)*; -80 to 150°C (custom)
Probe Pressure Rating	10barg* (standard); up to 100barg (custom)
Probe Weight	4.5kg [10lb] (including conduit)
Total System Weight	36.3kg [80.0lb]
Field Unit Material	316 Stainless Steel
Air Supply Pressure	Min: 4barg [60psig]
Air Supply Flow	Max: 28.3NL/min [1.0SCFM]
Power	100–240VAC (auto-switching), 50/60Hz, 0.5A

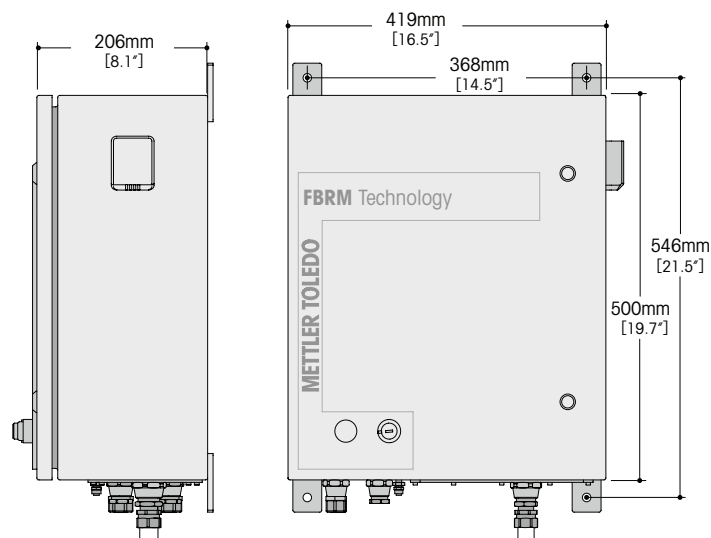
*Temperature and pressure specifications are conservative ratings, but should not be exceeded unless exceptions are specifically provided for a given installation design. Contact METTLER TOLEDO regarding extreme-temperature or high-pressure applications.

Certification NRTL Certificate E113433;
CE Approved, Class 1 Laser Device,
Compliant with 21CFR1040.10 and
1040.11 and IEC60825-1

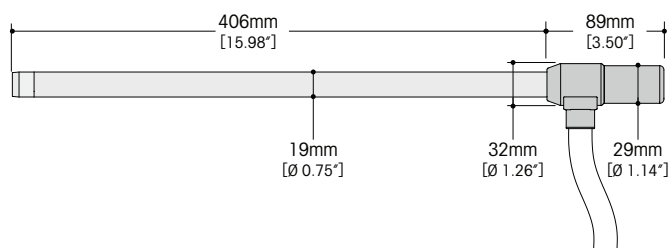


ParticleTrack G600L is not rated for explosive locations.

Base Unit Dimensions



G600L Probe Dimensions



Make Better Decisions, Complete Projects Faster

iC software integrates the experimental workflow making it simple to visualize, interpret and report results. A unified approach supports lab to plant applications for spectroscopy, particle characterization, reactor control and calorimetry.

► www.mt.com/iC

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For more information