



SMARTDENSITY™

AUTOMATED
SAMPLING



LIVE DENSITY MONITORING - GASED FORMULATIONS

PRODUCT DESCRIPTION

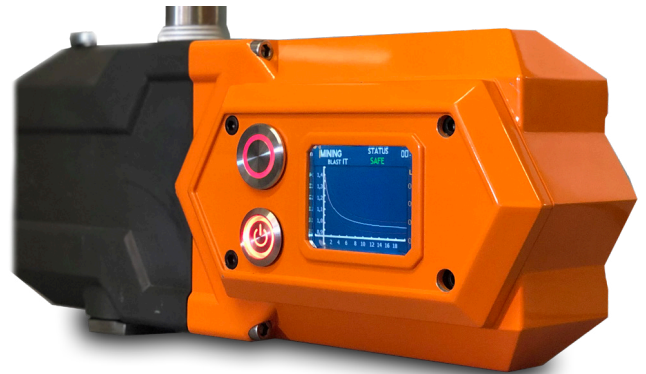
Install the SMARTDENSITY™ Meter on your underground & surface pumping systems & receive performance analytics & notifications on loading densities in real-time.

The SMARTDENSITY™ meter captures & monitors gassed emulsion samples in the product delivery line, provide feedback to operators throughout loading operation. Inconsistencies in density are identified at the time of loading, allowing early identification & correction of loading inconsistencies before they have a negative impact on blast performance.

Density results are flagged in real-time through the BLASTTRACK™ live reporting system, allowing immediate notifications for blasting supervisors as well as post blast analysis of charging units & crew.

On completion, gassed samples are discharged back into the product delivery hose, preventing spillage & waste through the sampling process.

To get the most out of your blasts, track the upper & lower density limits for your fleet & identify non-conformities before they impact your blast results.



SMARTDENSITY™ Model	Delivery Line Diameter	Max Pressure (Bar)	Operational Interface
SD01	< 1 inch	30	BLASTTRACK™
SD11	1 inch	30	BLASTTRACK™
SD21	2 inch	16	BLASTTRACK™
SD32	3 inch	16	BLASTTRACK™

DESIGN FEATURES

- Patented inline system installed at entrance to product delivery hose
- Compatible with gassed / chemically sensitized emulsion formulations
- Set-able time-based sampling system for early identification of incorrect emulsion density
- LED display of sample history
- Live operator alerts & remote online reporting
- Upper & lower density limits
- Wireless control through BLASTTRACK™ app
- Compatible with iMining range of pumps & control systems

BENEFITS

- Easy, fast & reliable sampling (single step process)
- Contactless sampling & cleaning
- No waste produced in sampling due to in-line measurement
- No cups, scales & calculators
- Eliminate calibration & inclination errors present in digital scales
- Live flags for out of specification emulsion
- Built-in quality control warning stop levels
- Prevent incorrect emulsion density before it impacts your blast results