



SMARTDENSITY

AUTOMATED
SAMPLING



REAL-TIME DENSITY MONITORING FOR PUMPABLE EMULSION EXPLOSIVES

PRODUCT DESCRIPTION

Install the SMARTDENSITY™ Meter on your underground and surface charging units and receive real-time notifications and performance analytics on loaded densities as they take place.

The SMARTDENSITY™ Meter draws and monitors emulsion samples to provide quality feedback to operators throughout the loading operation. Fluctuations in density are identified and flagged in real time allowing operators to make changes in the field. Density readings are reported through the cloud for immediate notification of line management as well as post blast analysis of charging units and operators.

In order to get the most out of your blasts, track the upper & lower density limits for your fleet and prevent errors in the manual calculation of density while on the block or at the blast face.



DESIGN FEATURES

- Patented inline density monitoring system (fitted to delivery lance)
- Compatible with chemically sensitised emulsion charging units
- Automatic time-based sampling for early identification of incorrect emulsion density
- LED display of sample history
- Real-time cloud reporting
- Upper & lower density limits
- Military grade cable harness
- Built-in quality control warning stop levels
- Customisable through density App. Integration
- Compatible with iMining SMARTFLOW™ Explosives Monitoring Systems

BENEFITS

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