

On-Pipe Non-Nuclear Density Gauge

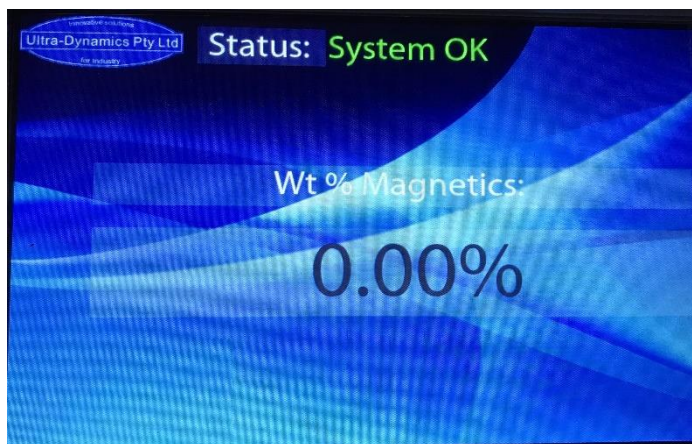
Your OH&S friendly alternative to conventional gamma ray density gauges, proven in the field for reliability and accuracy

densiMAG™ determines the density of heavy medium slurries primarily magnetite & ferrosilicon. The system is a direct replacement for the conventional and hazardous gamma ray-based technologies with none of the regulatory costs associated with use of a gamma ray sources.

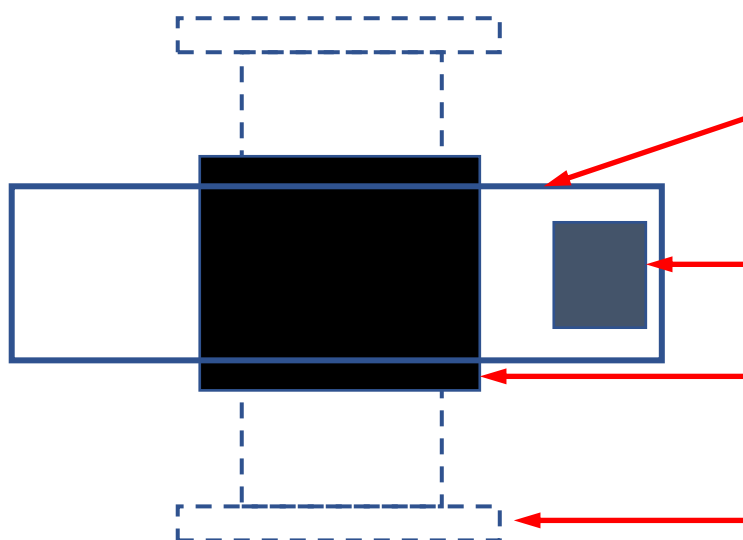
Applications for the technology are varied and include wherever magnetite or ferrosilicon is utilised

For example:

- Coal washeries
- Iron Ore Processing Plants
- Magnetite Processing Plants
- Diamond Mines
- Ferro silicon plants etc



- Simple and easy to use “Wizard” calibration menu.
- Touch Screen Operator Interface
- Two Point Calibration
- Remote access feature allows access to data and touch screen functions via the 3G/4G phone network.



Robust non-conductive box for mounting the coils and electronics to the spool piece.

Proprietary electronics package

Measurement Coil, slides over spool piece

Non-Conductive Spool Piece – to suit site pipework - Provided by the customer

densiMAG[®] On-Pipe Non-Nuclear Density Gauge

Features and Benefits

No gamma ray source	No Occupational Health and Safety concerns Reduced “whole of life” system cost e.g.: <ul style="list-style-type: none">▪ No annual test fees▪ No source disposal costs▪ No requirement for Site Radiation Officer
Fast response	Short response accuracy unaffected by pipe diameter
Factory calibrated	Two-point calibration
Wear resistant HDPE	No wear concerns
Balanced Field Coils	Continuous standardisation for ultimate accuracy
State of the art electronics	Components selected for ultimate electronic stability

Technical Specifications

Application	
Minimum pipe size	No minimum
Maximum pipe size	No maximum – Probe option available for pipes larger than 300mm
Precision	
Operational	Application dependent; for magnetite and ferrosilicon better than 0.01%
Resolution	Application dependent; for magnetite and ferrosilicon better than 0.001%
Operation	
System update time	1 second upwards, user configurable
Electrical	
Power supply	Single phase, 2 Amp
System Physical Specifications	
Mass	Depends on pipe size
Dimensions	Electrical cabinet; 400mm x 400mm x 200mm
Shipping	
Mass	Typically, 60 – 80 kg – Depends on pipe size
Dimensions	1,200mm x 600mm x 600mm (approximately)

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