

Dense Medium Controller (DMC)

Application

The function of the non-nuclear DMC is to measure and automatically control the Ferrosilicon circuit density in Dense Medium Separation Plants.

Features and Specifications

- ◇ Continuous real-time density display; password protected set points and other parameters
- ◇ Robust and weatherproof design and construction
- ◇ Density range of 1,8 to 3,7 SGU
- ◇ Accuracy of ± 0.05 SG from setpoint
- ◇ 4-20mA or 0-10V output signal for remote density indication and recording
- ◇ Fully automatic operation
- ◇ The DMC Unit is currently available in 4 different Transducer pipe sizes viz. 50mm, 75mm, 110mm and 160mm outside diameters. Other sizes are being considered
- ◇ A 220V/50Hz power supply is required
- ◇ Two light-emitting diodes show whether the dilution-water valve is open or closed, and indicate the system alarm status



Benefits

- ◇ Non-nuclear operation
- ◇ Operator and maintenance friendly
- ◇ Rapid and reliable data entry
- ◇ The DMC improves process plant stability and overall efficiency
- ◇ Optimal efficiency at all times gives better recovery efficiency
- ◇ Mine personnel can carry out site installation and commissioning, as well as calibration of the units

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