



SIEMENS



Process Instrumentation

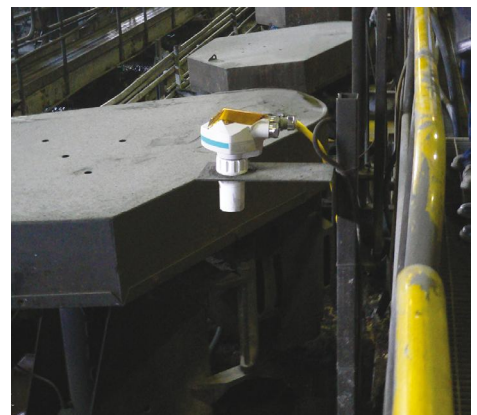
# Flotation cell

Comprehensive portfolio for a demanding application

Flotation cells are often used in the Minerals Industry as a method for physical separation of mineral particles from the slurry by adding chemicals and pressurized air.

Measurements of the foam level, pressurized air, chemical dosing and slurry flow are essential for the process control and an optimized handling of the costly resources.

The Siemens process instrumentation portfolio benefits in easy commissioning, high equipment reliability and comprehensive product range from compact, cost effective devices to advanced technology equipment.



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### SITRANS Probe LU - 2-wire loop powered ultrasonic transmitter

Range	Level measurement up to 12m
Output	4-20mA/HART or Profibus PA
Process temperature	-40 to 85 °C

#### Benefits:

- Compact and cost effective device
- Easy installation and simple start-up
- Reliable functionality through patented sonic intelligence signal processing



### SITRANS F M TRANSMAG 2 - Pulse alternating field magnetic flowmeter

Measuring range	0 to 10 m/s
Nominal sizes	From DN 15 to DN 1000 (½" to 40")
Accuracy	± 0.5 % of flow rate

#### Benefits:

- Patented pulse alternating field technology delivers much stronger magnetic field and enables the flow measurement of medias with a high percentages of solids
- Broad range of liner and electrode materials, including Linatex, for extreme process medias
- Comprehensive self-diagnostic with self-monitoring and internal simulation



### SIPART PS2 - Electropneumatic positioner

Stroke/Rotary range	3 to 200 mm (larger strokes available on request) 30° to 100°
Housing material	Makrolon®, aluminum, stainless steel
Ambient temperature	-40 to 80 °C

#### Benefits:

- Intelligent diagnostics functions
- Compact booster option
- As standard with IP66 or NEMA 4x protection

The Siemens plant-wide automation based on future-proof automation, drives technology, industrial software and services enables you to exploit all possible potential for optimization of a machine or plant. Beside instrumentation we offer further suitable products to complete your application.

### SIMATIC PSC 7



Increased engineering, efficient plant operation & cost-efficiency in one DCS

### SIMATIC Automation Systems



Multifunctional, modular and scalable Made-to-measure industrial automation for every application

### SIMATIC NET



SIMATIC NET is based on Industrial Ethernet and offers a broad range of components to implement highly efficient industrial networks and bus systems

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