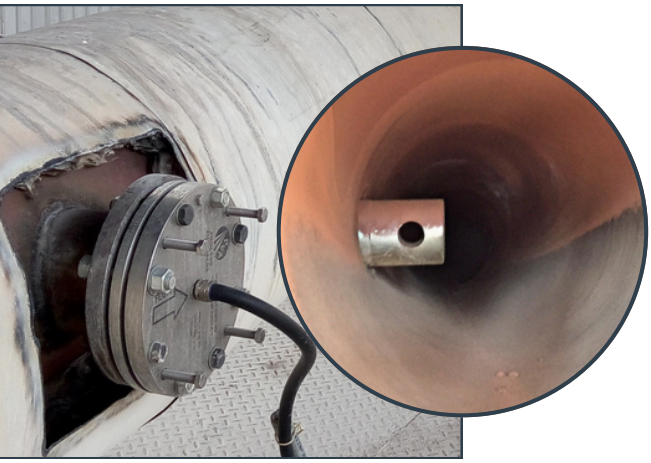
PLA PROCESS ANALYSERS

AL-DCIK®

SLURRY CONDUCTIVITY SENSOR

AN **IN-LINE** TOROIDAL CONDUCTIVITY **SENSOR** TO PROVIDE **REAL-TIME ALUMINA TO CAUSTIC RATIO MEASUREMENTS** (A/C OR R/P)

APPLICATION



"ENGINEERED FOR **ALUMINA PROCESS SLURRIES**."

The Al-DCIK® is directly installed in the main process pipe.

The in-line measurement allows the Plant to push the A/C target higher allowing more bauxite charge into digestion as your certainty is higher.

The AL-DCIK® **Advantage**

- **Provides continuous A/C ratio measurements, allowing for immediate adjustments & significant cost savings.**
- Accurate, Stable & Repeatable Data for any Pipe Size & almost any Velocity.
- Rugged Sensor for harsh slurries, installable directly in main process pipes.
- Flexible communications and repeatable calibration procedure.
- Reliance on manual sampling is reduced and control lag is eliminated.

PRECISION LIGHT & AIR PTY LTD

17 Sir Laurence Drive, Seaford Vic 3198, Australia

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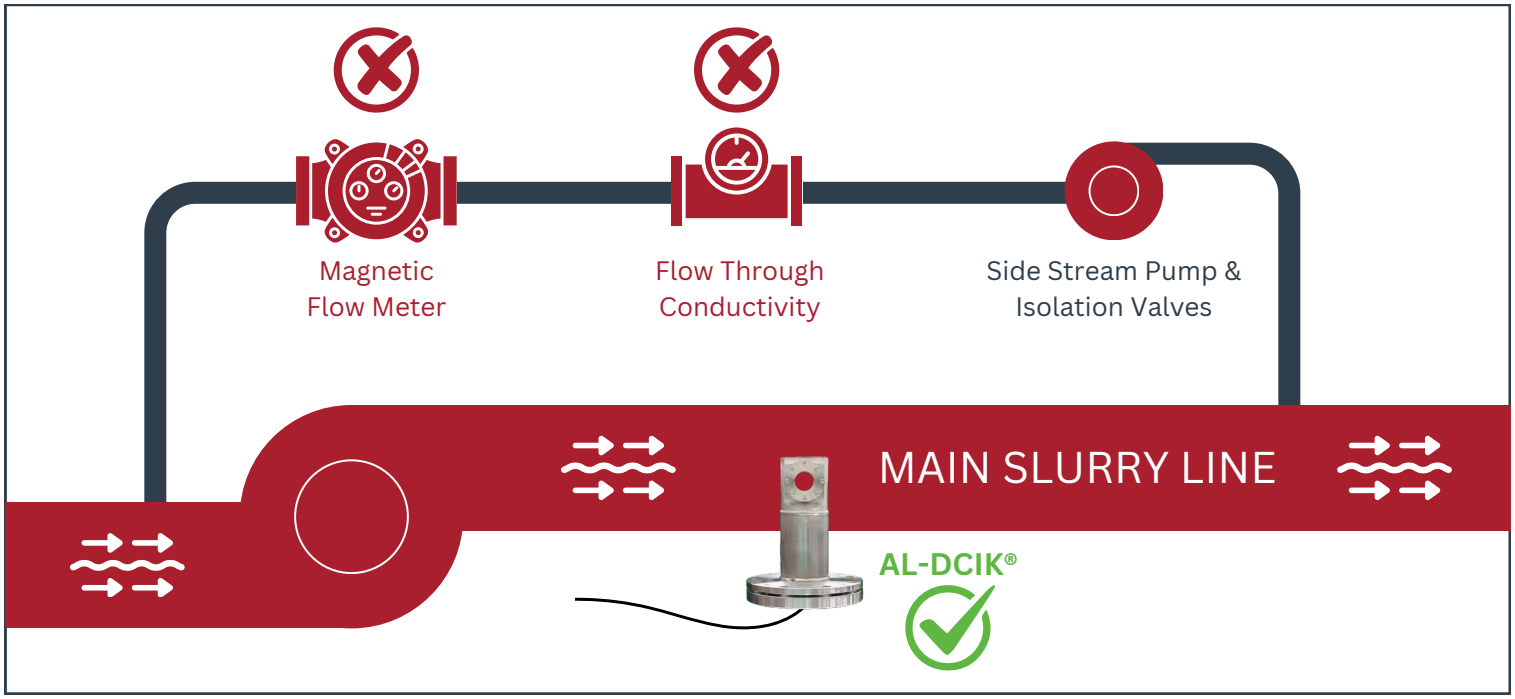
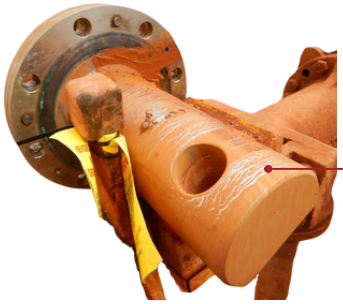
IN-LINE VS SIDE-STREAM MOUNTED INSTRUMENT



RUGGED DESIGN

Stainless-Steel Sensor Body
with a PSZ Ceramic Core



Probe after Multiple
Years of Service

SPECIFICATIONS

SENSOR

Maximum process pressure: ANSI Class 600
Standard process pressure: ANSI Class 150
Maximum process temperature: 205ºC
Flange size: 6” ANSI
Temperature compensation: remote, by customer.
Ceramic core bore size: 45mm
Cable length: 6 meters (maximum 30 meters)
Body material: 316L standard. *SAF2205 optional.*

TRANSMITTER

Accuracy: +/-0.3% Full Scale (includes linearity)
Accuracy - temp measurement: +/-0.1 deg C
Repeatability: same performance as accuracy
Drift: Less than +/-0.2% full scale per 6 months
Measurement range: Selectable .05 through 2000 mS/cm
Output signal: 4-20mA loop powered, 24V dc 4-wire or mains powered.
Display type: Multi-line LCD
Enclosure IP rating: IP67 / NEMA 4X

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