



Demanding applications and severe process conditions in pulp mills pose unique challenges for obtaining accurate, repeatable, and reliable flow measurements. In collaboration with the pulp and paper industry, Yokogawa developed the ADMAG Total Insight electromagnetic flow meter. The design increases lifespan and reduces downtime, allowing for maximum mill availability. Improved flat accuracy for exceptional productivity capability along with condition-based maintenance and increased flexibility for easy installation.

The ADMAG Total Insight (TI) series is the most technologically advanced magnetic flow meter. Combining the field-proven ADMAG series design with the Total Insight philosophy guarantees performance throughout the lifecycle of the process measurement.

Designed to Last

Severe process conditions offer challenges such as high temperature, permeation, and abrasive slurry to flow devices under difficult operating environments. Yokogawa's ADMAG TI offers stable and accurate measurement with either a PFA or ceramic liner design. The dual compartment transmitter with robust construction averts external environment penetration, offering a longer life-time and improved process uptime.

Backward Compatible

Gain total insight into your process by pairing an ADMAG AXG converter with any previous series flow tube. This combination maximizes the life of your existing meter, minimizing downtime and reducing overall OPEX.

Reliable Measurement

- Ensure a fast response time, enhanced signal-to-noise ratio, and zero stability with Yokogawa's unique dual (high and low) frequency excitation technology
- Prepare for routine maintenance using custom diagnostics, such as adhesion and corrosion level alarms
- Trust your flow measurements using the built-in verification function without removing the meter from the process
- Achieve flexibility in startup and offline analysis with the included industrial grade μ SD card
- Obtain peak process control at all flow rates including minimum and maximum with flat accuracy specifications





Digester

- PFA liners reinforced with a metal grid resist wear to extend service life under harsh conditions
- Metal hats protect liner edges against abrasive liquors and keep the liner secured to protect against deformation that can be caused by both high pressure and high temperature



Recovery Boiler

- Maintain the integrity of the device with built-in verification health check
- Provide effective user operability with data trending and recording for analysis of the process

Recaustizing

- Reduce downtime with condition-based maintenance for sticky green liquor
- Increase noise immunity with dual frequency excitation for slurry flow measurement
- Reduce start-up and commissioning time by using the wiring check function and easy setup guide

Globally, users are reaching new levels of success by partnering with Yokogawa in pulp and paper processes including bleaching & evaporation.

Dedicated Functionality

- User-friendly operability with easy setup guide
- Best in class flat accuracy with unbeatable zero stability
- Detection of electrode adhesion, corrosion, bubble, and conductivity
- Built-in verification for total health check
- Backward compatibility
- Bore size: AXG = 0.1" - 20" AXW = 1" - 40"*
- Process connection: Flange, wafer
- Configuration: Integral, remote, submersible



*Some restrictions may apply

YOKOGAWA

www.yokogawa.com

Yokogawa Corporation of America

12530 W. Airport Blvd.,
Sugar Land, TX 77478

Yokogawa Canada, Inc.

Bay 4, 11133 40th Street SE,
Calgary, AB T2C 2Z4

Yokogawa de Mexico, SA de CV

Urbina No. 18
Parque Industrial Naucalpan
Naucalpan de Juarez, Estado de México
C.P. 53370