

The best selling consistency transmitter in the world today is BTG's MEK. It is a unique consistency transmitter that can be found in the majority of pulp and paper mills around the world. The MEK technology is the cornerstone of the BTG Instruments portfolio and has been for almost 50 years.

Consistency measurement in general, and specifically the MEK-transmitter, has been very successful for BTG.

MEK and its predecessor, the K31 (Kalle regulatorer), have been the catalyst for transforming BTG Instruments to a world class process measurement company for the pulp and paper industry.

During the 1970's, consistency measurement units became the largest portion of our business. BTG has continued to invest in the MEK technology over the years, continually improving the reliability of performance for our customers.

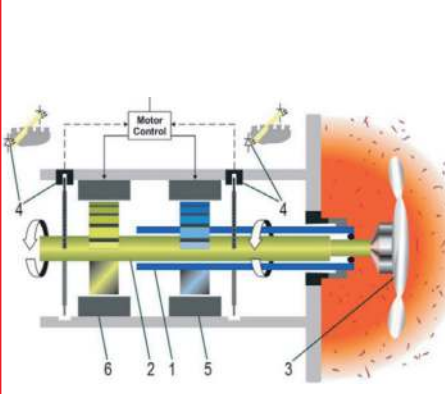
Consistency, or the 'thickness' of the pulp mixture, has been a critical factor in successful papermaking ever since a Chinese court official, Cai Lun, invented paper nineteen centuries ago. The importance of reliable consistency measurements has only increased as the pulp and paper industry adopts advanced tools such as model predictive control. Going forward, process measurement will be even more critical as the industry strives for tomorrow's goals such as antonymous papermaking.



*BTG has engineered the MEK to successfully address and consistently overcome the challenges in the field resulting in superior performance for our customers.*

Consistency meters need to provide reliable measurements in very demanding process conditions including vibration, heat, humidity and elevated pressure. Reliable output must be delivered 24/7, year after year.

Over the years, several other methods for concentration measurement have been developed, such as optical and microwave methods, but the MEK has continued to hold a strong position and remains a very important part of BTG's product line.



1. Outer shaft = drive shaft
2. Inner shaft = measure shaft
3. Rotating sensing element
4. Cog wheel to read shaft position
5. Motor, driving outer shaft
6. Motor, force balance inner shaft

The MEK is now the highest selling consistency transmitter globally, with more than 40,000 units sold worldwide. For many of our customers, MEK has become synonymous with BTG, many customers call it the "BTG" meter. Each MEK can continue to be operational for many years thanks to routine maintenance. This makes a major contribution to our parts and service business.



MEK-generations cavalcade from 1965 to 2021 and further.

