

The emtec **FPO Fiber Potential Analyzer Online** is an innovative measuring device for the **fully automatic and accurate** determination of the Zeta Potential of

- fibers and
- fillers



ONLINE Measurement of the Zeta Potential of stock suspensions

- fully automatic operation: sample-taking • measuring • cleaning
- low-maintenance
- high accuracy of measurement and reproducibility
- data transfer by standard interface to the process control system / optional data storage on Internet server
- device handling and display of measuring results by touch screen
- savings in material, time and energy

The Zeta Potential of fibers and fillers was determined until now with the help of laboratory measuring devices (**FPA – Fiber Potential Analyzer** from emtec/AFG). As a result it was not possible to intervene immediately into the production process, because of the time difference between the sample-taking and the present measuring data. Furthermore, personnel efforts are needed for laboratory measurements, so a permanent process control is not possible.

The new emtec **FPO Fiber Potential Analyzer Online** uses the established measuring principle of the laboratory measuring device **FPA** and delivers **accurate results fast and reliable**.

By the use of the innovative **FPO** the **immediate intervention into the production process** because of unwanted measuring results is possible. That's why its application leads to obvious savings in material, time and energy.

Technical Data:

Accuracy of measurement:	ca. \pm 5 %
Storage of measurement data:	for approx. 100.000 measurements (at least 3 years)
Interval of measurement:	adjustable, maximum 4 measurements per hour
Rinsing water supply:	at least 2 bar
Compressed air:	at least 3 bar
Maintenance interval:	once in a year
Dimension:	approx. 60 x 175 x 41 cm (width x height x depth)
Weight:	approx. 160 kg
Power supply:	100 - 240 VAC (50/60 Hz)

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