

Comparator with DC accuracy

About six years have been gone since **ZERA** introduced the **COM303**. It was the first 3phase comparator worldwide and meanwhile it's established as one of the best power analyzers all over the world. It is used by energy suppliers, manufactures as well as metrological institutes who esteem the device's high accuracy and long term stability. Because of this stability the device is particularly suitable for standard transfers.

DC tolerant current transformers, high-end signal conditioning and effective DSP algorithms are responsible for this success. Due to its high-speed sampling rate and absolute real-time operation, it even offers high accuracy in case of harmonic content.

Up to now the device has gained several model upgrading, which resulted in additional measuring modes and improved front panel handling. The actual model name is **COM3003**.

But the latest innovation is the most interesting one. Further improvement of our sensing modules and enhanced DSP algorithms permit measuring of DC power. First a new measuring mode enables measuring of pure DC power even with present AC content. Additionally, there is the possibility to use all existing measuring modes, which only were available for AC, including DC components now. This features can be configured by the customer. In combination with the device's high accuracy, we think this is an enhancement, which will significantly increase the possibilities of applications.

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