



EMK 100

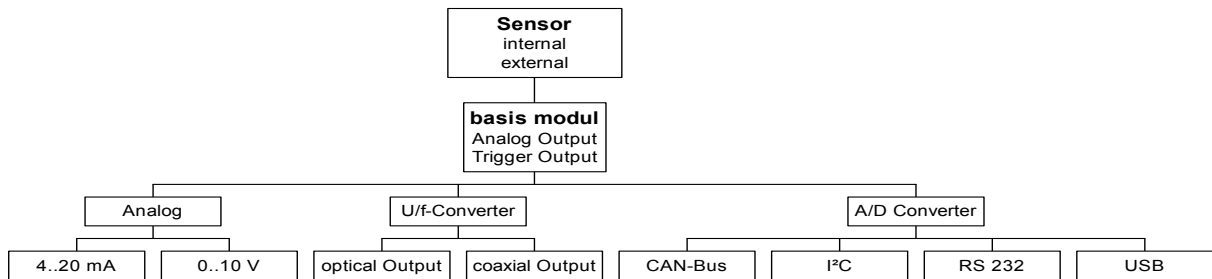
Energy monitoring kit for laser OEM applications

EMK 100 is a sensor and electronic system for an internal energy measurement.

It consists of a *basis board* including a switch-able amplifier and a peak detector. The *basis board* output is a trigger signal and an analogue signal corresponding to the laser energy. Additionally, we offer different modules with customer specified output ports. The connectors of these modules are standardised and the boards are placed under the *basis board*.

The connectors or pads for different sensors, especially for the PEO series, are at the upper side of the *basis board*.

It is also possible to place sensor and electronics separate of each other. In this case we recommend to use the amplified sensors (PEO8A, PEO12A). For such an application the *basis board* has an own port for the power supply for the sensor.



| | |
|---------------------|--|
| Dimension (housing) | 55 mm x 52 mm x 16 mm |
| Mounting | Customer specified |
| Rep. rate | 5 kHz (10 kHz on request) |
| Power supply | ±12V .. ±15V, 4-pol. Molex, grid 1,27 mm |
| Input | 4-pol. Molex, grid 1,27 mm, only for ext. sensor |
| Output | 6-pol. Molex, grid 1,27 |
| environment | 0°C .. 50°C |