

Monitoring of Training exercises on rehabilitation and therapy machines

“Ideal design costs and performance” are important requirements when it comes to the conceptual design, physical form and carrying out of rehabilitation measurements. As well as the most modern devices, an intelligent method data recording, control and documentation is also needed for implementing these requirements. Information about the performance of training exercises can be provided to a trainer by using a network or chip card. The medically-ideal performance of exercises can be monitored, therefore avoiding both the under-challenging and overworking of the patient. In this way, optimum efficiency with regard to the medical success of the therapy and the best possible economic utilisation of the equipment can be achieved.

In order to provide this information to the trainer, sensors that measure the execution of movements on the machine are required. As well as force sensors, displacement measurement sensors can also be installed, which measure and output the displacement and chronological progress of movements.

Due to the installation size and favourable price/performance ratio, MK30 and MK46 series draw-wire sensors are ideally suited for these applications. Depending on customer requirements, analogue potentiometer-based outputs or digital encoder-based incremental signals are available.



Benefits to the customer:

- Simplified mounting
- Telescopic sensor
- Attractive price/performance ratio

Requirements for the measuring system:

- Measuring range: 1m
- Accuracy: 1mm
- Resolution: 0.1mm

Suitable sensor series:

WPS-MK30/46/77

