

# Wear monitoring systems

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The following hose types are equipped with this system: ceratel® 5910, heavytel® 5980 metal, GRANIT 4280 BC and GRANIT UPE.

A continuous signal cable integrated into the hose wall is the necessary component for wear monitoring.

This cable acts as a signal transmitter when properly connected to a monitoring system. When the critical wear level of the inner hose layer is reached, the monitoring system responds with a message.

The signal cable is extended at both ends to create a complete conveyor hose line. It can then be connected to the monitoring system.

The user has the possibility to use different wear monitoring systems: The two ends of the cable are connected either point-by-point or to a plant-side PLC control system.

For point monitoring, the ET Easy Box leakage monitoring unit (figure) is used. The ET Easy Box provides information via an optical signal.



Example of wear monitoring with ET Easy Box.

## ET Easy Box – Analog wear monitoring

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Article number 1090065065  
Leakage monitoring unit  
**ET Easy Box with power supply (220V)**

Article number 1090065070  
Leakage monitoring unit  
**ET Easy Box with battery supply**

The ET Easy Box informs via an optical signal.

Our application engineers are happy to answer your questions.