



iwis-CCM: Chain Condition Monitoring System

The new patented iwis **C**hain **C**ondition **M**onitoring system (**CCM**) measures the wear elongation of chains in operation and informs the maintenance operator when the chain in use is worn and needs to be replaced.

Customer benefits:

Allows timely intervention by maintenance team.

- No more long downtimes for conveyors and machines
- No danger to promised delivery dates – no break in the logistics chain
- Prevention of financial losses due to production downtime
- Continuous monitoring of precision chain applications

The new intelligent control system for **continuous chain monitoring**





CCM-Highlights:

- The iwis **CCM System** can be integrated into numerous chain applications quickly and easily.
- Retrofitting to existing machines and systems does not require special chain attachments.
- The **CCM System** detects wear in a chain drive and warns maintenance staff about when and where countermeasures are necessary.
- LEDs integrated in the **CCM System** display operating status and wear status.
- Measurement results can also be transferred to a computer via USB connection and displayed in a special interface.
- Measurement takes place without direct intervention in the chain drive:
 - contact-free measurement
 - no additional deflectors or supports required
- Precise measurement results
- Independent of chain size

Operating conditions:

- Normal industrial environment conditions
- Temperature range: 0°C – 60°C
- The monitoring of chains with attachments on both sides or extended pins is generally possible, but requires preliminary testing
- External power supply (24 V DC)
- Protection category: IP67
- Possible chain speeds:

06B: 0,02 - 4,76 m/s	12B: 0,04 - 9,52 m/s
08B: 0,03 - 6,35 m/s	16B: 0,06 - 12,70 m/s
10B: 0,03 - 7,94 m/s	20B: 0,06 - 15,88 m/s



Contact iwis and see for yourself!

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