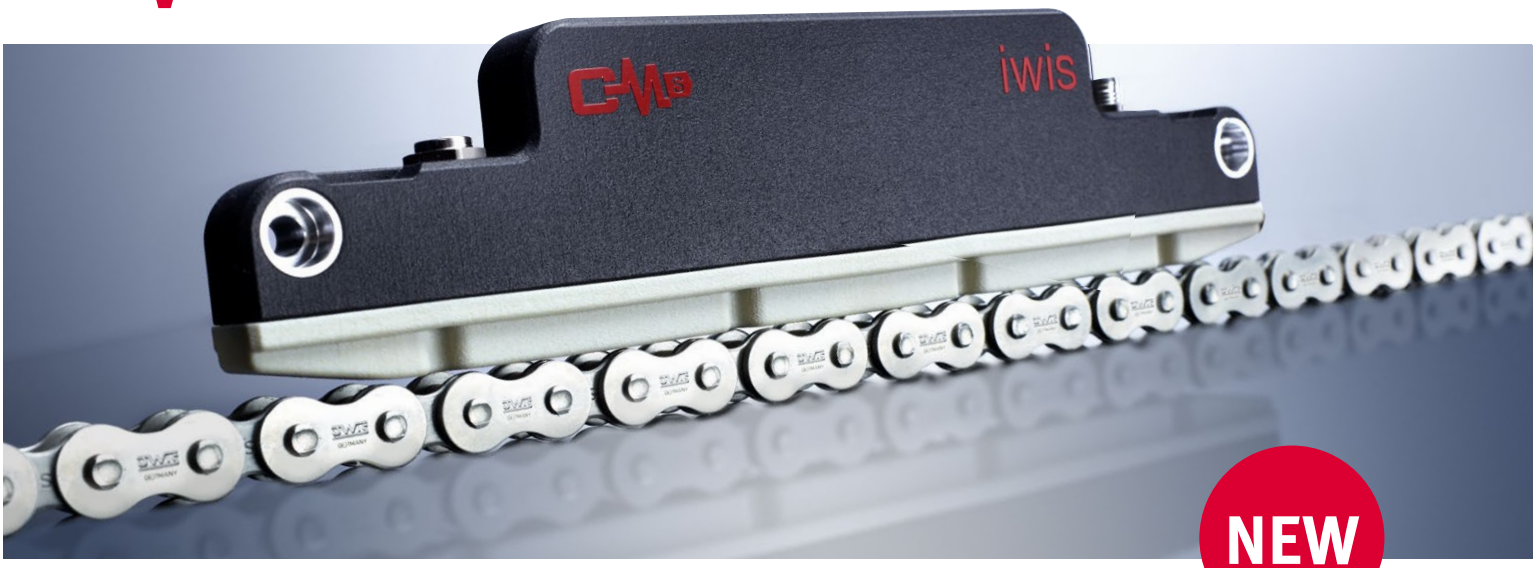
iwis

wir bewegen die welt

CCM-S



NEW

CCM-S – Chain Condition Monitoring “Smart”
iwis chain elongation monitoring system

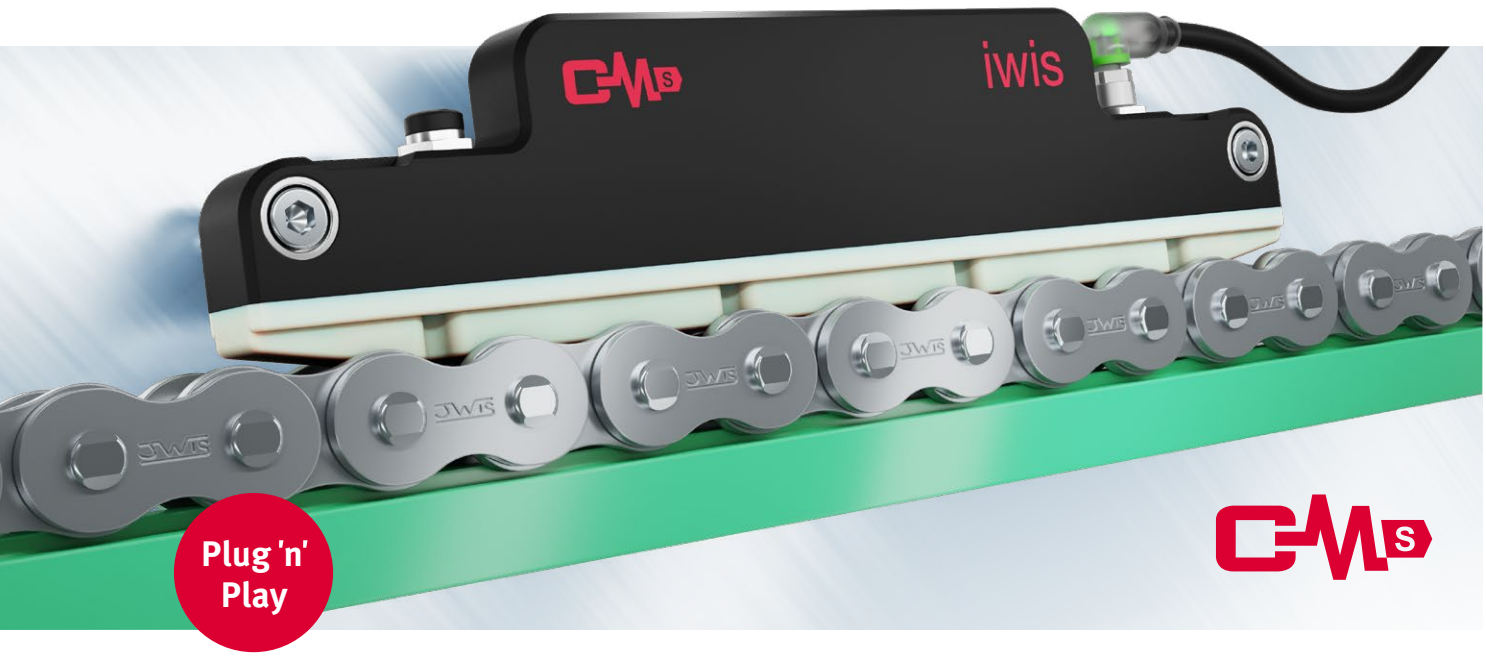
The **CCM-S**, the latest chain monitoring innovation from iwis, is now equipped with additional sensors and interfaces, measures the wear elongation of chains during use and, in this way, helps maintenance staff recognise in good time when the chain has to be replaced due to wear elongation.

SLE SEGMENT LINK ELONGATION

IO-Link

www.iwis.com

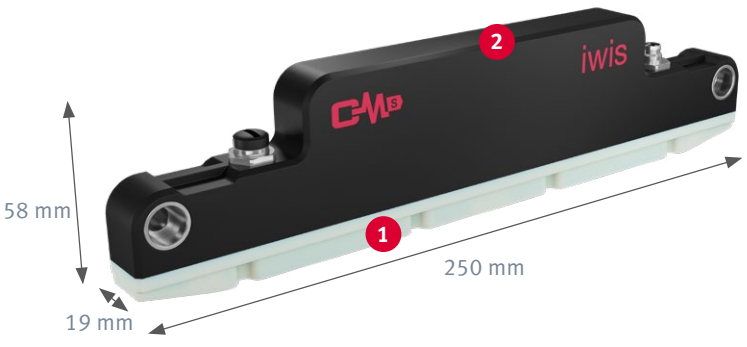
iwis
wir bewegen die welt



Intelligent chain monitoring

- Maintenance staff can (re)act in time!
- No long downtimes of production lines and machines
- Optimized maintenance and service intervals through digital condition monitoring
- Avoidance of financial losses due to unplanned production downtimes
- Monitoring of precise chain applications
- System based on the “plug-and-play” principle – no calibration necessary
- Wear- and impact-resistant ❶ sliding shoe
- Stable, leakproof ❷ plastic housing (Protection class: IP67)

✓ **Digitalisation interface**
✓ **Ready-to-install plug-and-play principle**
✓ **Optimised design**



CCM-S all-in-one solution

Scope of supply consisting of:

- CCM-S module
- Mounting strips
- IODD file DOWNLOAD
- PC software DOWNLOAD
- Installation and Operating Instructions DOWNLOAD

Optionally available as accessories:

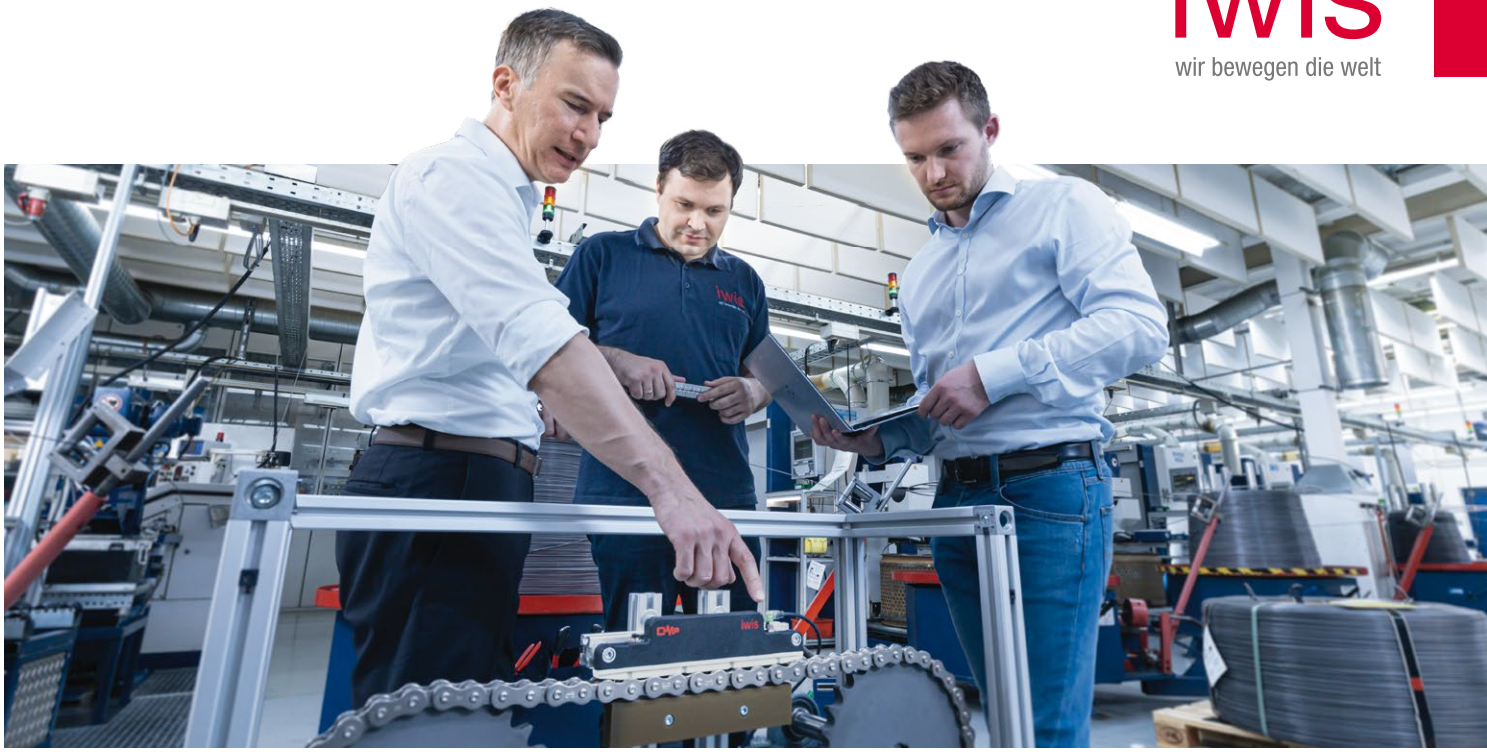
- IO link cable in various lengths: 5 m (Art. 40012346), 10 m (Art. 40012347), 15 m (Art. 40012348) and 20 m (Art. 40013418)
- USB cable (Art. 40012712)

- 3D data exists and is available on request
- Information on electrical and mechanical connections can be found in the Installation and Operating Instructions DOWNLOAD.

Range

Article no.	Designation	Article no.	Designation
40011816	CCM-S-08B IWIS	40011822	CCM-S-40 IWIS
40011817	CCM-S-10B IWIS	40011824	CCM-S-50 IWIS
40011818	CCM-S-12B IWIS	40011825	CCM-S-60 IWIS
40011819	CCM-S-16B IWIS	40011826	CCM-S-80 IWIS
40011821	CCM-S-20B IWIS	40011827	CCM-S-100 IWIS
40011828	CCM-S-24B IWIS	40011831	CCM-S-120 IWIS
40011829	CCM-S-28B IWIS	40011855	CCM-S-140 IWIS
40011830	CCM-S-32B IWIS	40011856	CCM-S-160 IWIS

iwis
wir bewegen die welt



Highlights of our CCM-S system

DATA TRANSFER

Globally standardised, field bus-independent IO-Link technology as communication standard.

IO-Link

SLE FUNCTION

Sections of chain segments can be **measured individually** and then evaluated for deviations from the average elongation. Connectors are sold separately.

ADD-ON SENSORS

Chain temperature, along with shocks on the CCM-S's sliding shoe, is monitored thanks to two additional sensors.

PRESENTATION

Monitoring data can be displayed locally on the computer via the a free of charge monitoring software provided by iwis.

SPEED

Different speed ranges and changes of load direction are not a problem for the CCM-S.

CHAIN SIZES

The CCM-S can be used for **simplex** as well as for **duplex and triplex chains** because only one chain strand is detected at a time.

CONTACT-FREE

Precise monitoring takes place **contactless** and **without direct intervention** in the the chain drive.

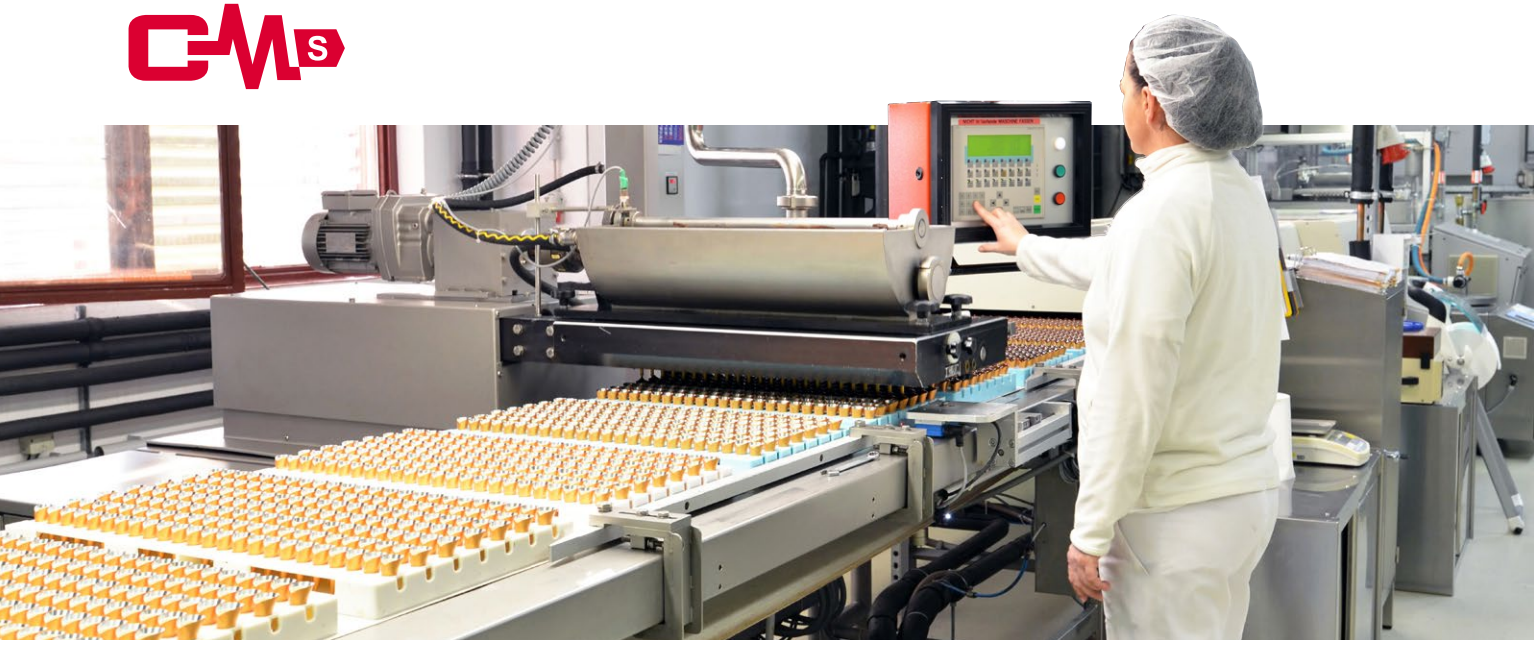
INTEGRATION

The CCM-S can be integrated **quickly and easily** in numerous chain applications – including as a retrofit without the need for special tools.

iwis

wir bewegen die welt

CCM-S



Operating conditions

- Normal industrial environmental conditions
  (For particularly heavy-duty or highly abrasice applications, please contact our support)
- Operating temperature range: 0 °C to 70 °C (32 °F to 160 °F)
- Chains with attachments or extended pins are basically no problem – as long as there occurs no direct contact with the CCM-S.
- Protection class: IP67
- Insensitive to non-magnetic contamination
- We recommend the installation of the CCM-S system in the tight strand, under certain circumstances is the installation in the slack strand also possible.
- USB connection to PC interface (USB connector 2.0 Type A)
- External power supply as per IO-Link specification: 18-30V

CE RoHS eac

NOTE

The CCM-S system is only used to provide information. It is expressly stated that the system does not protect against chain drive failures and machine stoppages. The CCM-S system also does not indicate the probability of future chain elongations.

The customer is aware that the CCM-S system is preset to a chain elongation value of 3% as reference value. iwis has preset this reference value without reference to concrete applications. The customer can define the reference value independently and verify on his own responsibility whether the reference value is uncritical in the application or if it might lead to critical situations or consequences of damage due to inadmissible chain elongation.

Each customer can change and reset the value suitable for its application via the software supplied or via IO-Link.

iwis antriebssysteme GmbH & Co. KG / Albert-Roßhaupter-Str. 53 / 81369 Munich, Germany
Tel. +49 89 76909-1500 / Fax +49 89 76909-1198 / sales@iwis.com

www.iwis.com