



Level measurement at temperatures up to 250 °C

LMH point level sensor with ceramic measuring tip

- Robust ceramic measuring tip which is permanently resistant to abrasive media and high temperatures
- Flexible sealing concept for use in hygienic and industrial applications
- Reliable point level detection due to the suppression of deposits



IP69K



ifm – close to you!

Point level sensors, target medium is individually adjustable

Description	Order no.
Sensor preset to detect water-based media	LMH600
Sensor preset to detect oil-based media	LMH610

Mandatory sealing sets

Description	Material	Temperature resistance [°C]	Order no.
Hygienic/pharmaceutical set, FCM Japan (O-ring on the front, L-ring on the back)	FKM	-15...200	E43033
Hygienic set (O-ring on the front, L-ring on the back)	FFKM	-15...240	E43030
Hygienic set, FCM China (O-ring on the front, L-ring on the back)	EPDM	-40...150	E43031
Industrial set (sealing ring on the back)	FFKM	-40...250	E43032

Reliable level detection in deep-frying, pasteurisation and condensation processes

The LMH point level sensor ensures reliable detection of the medium, regardless of being either water or oil based, even at continuous high temperatures of up to 250 °C. In industrial food production, such as deep-frying, milk pasteurisation or CIP/SIP processes, the sensor helps to maintain constant process quality. The same goes for high-temperature applications in the pharmaceutical, chemical and biotech industries.

Sensor for point level and temperature detection

The measuring tip is made of the pure, robust ceramic typically used by ifm. Being so resistant to abrasive media ensures a long service life for the LMH. The sensor's ability to transmit both the medium's temperature and the point level via IO-Link reduces the need for extra measuring points.

Deposit suppression to ensure precise and reliable results

The LMH offers the effective media deposit suppression already known from the LMT point level sensor. Incorrect switching, which could result in containers running empty or being over-filled, is eliminated.

Technical data

Temperature measuring range	[°C]	-40...250
Accuracy of temperature measurement	[K]	±0.6
Pressure rating	[bar]	40
Ceramic material quality	[%]	99.97
Roughness average of measuring tip	[µm]	<0.38
Approvals		3A, EHEDG, FDA, USP Class VI, ASME BPE*
Protection rating		IP68, IP69K

* with electropolished clamp adapter (E43416, E43417)

Flexibility through sealing concept

The point level sensor is designed for use in both hygienic and industrial environments. The adaptation to individual conditions is simplified by the sophisticated sealing concept.

BEST FRIENDS



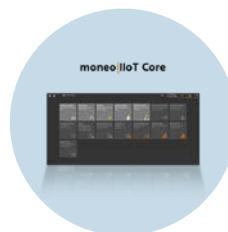
LR level sensor

Continuous detection using guided microwave measurement



IO-Link master

Field-compatible masters for use in hygienic areas



moneo|iIoT Core

IIoT software for simple condition monitoring



For further technical details, please visit: ifm.com/fs/LMH600