



CLEAN OIL
BRIGHT IDEAS

Oil Contamination Monitor, OCM 15

Continuous Remote Oil Monitoring (with Particle Counter)

CJC™ Product Sheet



Predict | Prevent | Profit
with
CJC™ OCM 15

APPLICATION

The CJC™ Oil Contamination Monitor, OCM 15 measures wear generation in oil systems. Used for hydraulic, lube and gear oils.

BENEFITS

- Earliest possible warnings of wear generation
- Condition based maintenance, instead of breakdowns
- Increase your ROI and protect the investment
- Remote online monitoring

Monitoring on the smallest micron particles using the CJC™ OCM 15 gives the earliest possible warning for breakdowns.

Major damage can be **PREDICTED** and **PREVENTED** by stopping and repairing early in the wear process. This obviously will improve **PROFIT**.

FUNCTION

The CJC™ OCM 15 measures according to the ISO: 4406 standard. The monitor is specially designed for high viscous oils.

The CJC™ OCM 15 is suited to measure in oils with large amounts of air-bubbles.

The water sensor measures relative humidity (%RH) in oil. The CJC™ OCM 15 monitors upstream the filter i.e. on the dirty side.

INSTALLATION

The CJC™ OCM 15 is mounted on the filter base of a CJC™ Fine Filter. Due to this, the flow will be stable over a large viscosity range, enabling the sensor to yield accurate readings, regardless of the oil conditions.

DATA / COMMUNICATION DELIVERY

The CJC™ OCM 15 is delivered with RS 485 Modbus RTU communication.

As option, the CJC™ OCM 15 can be delivered with Datalogger, which gives easy access to data.

OPTIONAL

Alternative options for communication through CJC™ View software:

- USBi for PC

CJC™ PRODUCT GUARANTEE

The CJC™ OCM 15 should be serviced every year by returning the OCM 15 to C.C.JENSEN A/S (further info, please see page 2).



Oil Contamination Monitor CJC™ OCM 15 mounted on a CJC™ Fine Filter HDU 27/27

TECHNICAL DATA

GENERAL

For oil containing air	Yes
Particle Counter	Yes
Water Sensor (%RH)	Yes
Oil types	Hydraulic, lube, gear oil
Oil Temperature sensor	Yes
Display	Yes
Dimension, l/w/h, without filter	242x188x253 mm
Dimension, l/w/h, with filter	533x509x600 mm

ENVIRONMENT

Viscosity range	2-1000 cSt
Operating oil temp.	0°C to 85°C (-32 to 185°F) *)
Operating ambient temp.	0°C to 55°C (-32 to 131°F) **)
Storage temp.	0°C to 55°C (-32 to 131°F), 97% RH

PARTICLES

Particle ranges (ISO 4406)	> 4, 6, 14, 21, 25, 38, 50, 70 & up to 250 µm
Calibration, acc. to	ISO 11171
Repeatability	0.5 ISO code (min. concentr. ISO MTD 2.8 mg/L, max. ISO code = 24)
Sampling intervals	Adjustable, default each 5 min.
Sensor principle	Precision LED Based Light Extinction

ELECTRIC

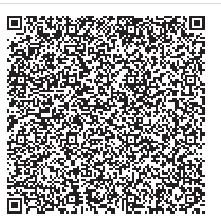
Supply voltage	3x230 V to 3x690 V (50/60 Hz)
Motor protection	Yes

*) Only valid if oil is within visc. range at any given temperature

**) Please contact us

ARTICLE NO.

OCM 15 mounted on HDU 27/- PV	FA7617177-XYZ
OCM 15 annual Product Guarantee	FD33246
Datalogger	FD41724
USBi	FD33224/1



Want to learn more?
Please scan the QR Code,
and see our OCM Movie

PSM04005-UK

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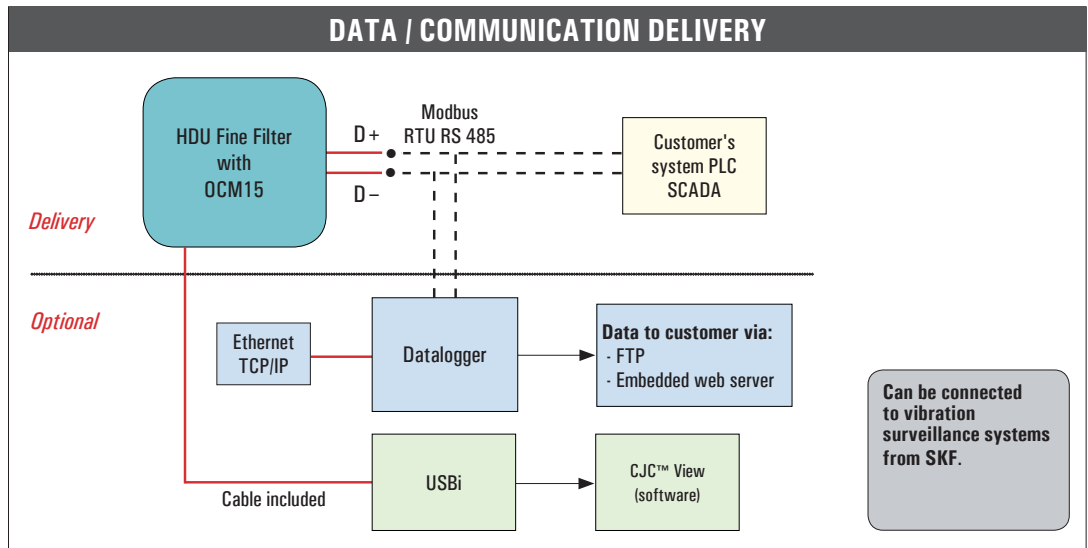


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EXAMPLE OF DATA LOGGING WITH CJC™ VIEW

ID	Machine	Test	Type	Time	Reference	ISO Code	NAS/AS1	AS4059E-2	RH%	Temp.*C
9605	112015051	63	5	2013-02-26 18:54:13	884866	25/23/11	15	15A/15B/6C/5D/3E/4F	20.83	44.99
9606	112015051	62	5	2013-02-26 18:50:11	884866	25/23/11	15	15A/15B/6C/5D/3E/0F	20.92	45.22
9607	112015051	61	5	2013-02-26 18:46:12	884866	25/23/12	15	15A/15B/6C/7D/4E/5F	20.94	45.49
9608	112015051	59	5	2013-02-26 18:38:13	884866	25/23/12	15	15A/15B/6C/7D/4E/5F	20.98	46.17
9609	112015051	58	5	2013-02-26 18:34:11	884866	25/24/12	15	15A/15B/6C/7D/5E/3F	21	46.45
9610	112015051	56	5	2013-02-26 18:26:13	884866	25/24/12	15	15A/15B/6C/6D/5E/5F	21	46.53
9611	112015051	55	5	2013-02-26 18:22:11	884866	25/24/12	15	15A/15B/6C/7D/6E/0F	21	46.54

OCM 15 PRODUCT GUARANTEE

Handling Process:

1. Yearly a serviced CJC™ OCM 15 sensor unit will be sent to the customer, incl. a new CJC™ Filter Insert (not included in price)
2. Dismantle the old OCM 15 (NB: only the sensor unit)
3. Mount the serviced OCM 15 sensor unit and change CJC™ Filter Insert
4. Return the old OCM 15 sensor unit to C.C.JENSEN A/S
5. Customer is invoiced the serviced OCM 15 sensor unit
6. Customer receives a credit note for the returned OCM 15 sensor unit when in C.C.JENSEN's possession

C.C.JENSEN A/S

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