

Electronic oil level monitoring TraxOil™ OW4 and OW5

OW4 and OW5 TraxOil are intended for systems which require oil level monitoring and alarming instead of active oil level balancing.

Features

- OW4 for CO₂ subcritical and selected HFC and HFO/HFO blends refrigerants
 - Max. allowable pressure PS: 60 bar
- OW5 for CO₂ transcritical
 - Max. allowable pressure PS: 100 bar
 - CO₂ optimized gasket material, not released for HCFC and HFCs
 - Adapters with CO₂ optimized gasket material
- 3 Zone level control by using precise Hall-sensor measurement, not prone to errors by foaming or light like optical sensors
- Alarm, status and 3 zone indication by LED's
- SPDT output contact for compressor shut down or alarming, rating 230 VAC / 3 A
- Easy installation by sight-glass replacement and front side mounting without nuts
- Supply 24 VAC, 50/60 Hz
- Recommended by leading compressor manufacturers
- **CE** marking under Low Voltage and EMC Directive



OW4 TraxOil



OW5 TraxOil

Selection table (select one item of each group)

1. Base units (supplied without adapter)

Type	Part No.	Max. Allowable Pressure	Time Delay Alarm
OW4-020	805116	60 bar	20 sec

2. Adapter

OM0-CUA	805037	Flange Adapter 3/4-Hole
OM0-CCC	805041	Flange Adapter 3-Hole
OM0-CBB	805038	Screw Adapter 1-1/8"-18 UNEF
OM0-CCA	805039	Screw Adapter 3/4"-14 NPTF
OM0-CCB	805040	Screw Adapter 1-1/8"-12 UNF
OM0-CCD	805042	Rotalock Adapter 1-3/4"-12UNF
OM0-CCE	805043	Rotalock Adapter 1-1/4"-12UNF
OM0-CCL	805 261	Brze adapter Ø22.5 mm

Note: For use with A2L refrigerants, only the OM0-CCL can be used.

3. Relay cables

OM3-N30	805141	Connection to Relay 3.0 m
OM3-N60	805142	Connection to Relay 6.0 m
OM3-N100	805146	Connection to Relay 10.0 m

4. Power cables

Type	Part No.	Description	Cable Length
OW-24V-3	804672	Connection to Power Supply 24VAC	3.0 m

Product selection (select one item of each group)

1. Base units (supplied without adapter)

Type	Part No.	Max. Allowable Pressure PS (bar)	Time Delay Alarm
OW5-120	805241	100 bar	120 Sec

2. Adapter

OM0-CUA CO ₂	805337	Flange Adapter 3-/4-Hole
OM0-CCC CO ₂	805341	Flange Adapter 3-Hole
OM0-CUD CO ₂	805049	Flange Adapter 6-/6-Hole
OM0-CBB CO ₂	805338	Screw Adapter 1-1/8"-18 UNEF
OM0-CCA CO ₂	805339	Screw Adapter 3/4"-14 NPTF
OM0-CCB CO ₂	805340	Screw Adapter 1-1/8"-12 UNF
OM0-CCD CO ₂	805342	Rotalock Adapter 1-3/4"-12UNF
OM0-CCE CO ₂	805343	Rotalock Adapter 1-1/4"-12UNF

3. Relay cables

OM3-N30	805141	Connection to Relay 3.0 m
OM3-N60	805142	Connection to Relay 6.0 m
OM3-N100	805146	Connection to Relay 10.0 m

4. Power cables

Type	Part No.	Description	Cable Length
OW-24V-3	804672	Connection to power supply 24 VAC	3.0 m

Accessories and spare parts

Type	Part No.	Description
ECT-623	804421	Transformer 230 VAC / 24 VAC, 60 VA (Supply of 3 Pieces Base Unit)
OM-HFC-K01	805081	Sealing Kit OW4 (Consists of All O-Rings, Incl. Adapter Gaskets)
OM-CO2-K01	805079	Sealing Kit OW5 (Consists of All O-Rings, Incl. Adapter Gaskets)

Technical data

Markings	CE Under: - Low Voltage Directive - EMC Directive
Max. Allowable Pressure PS Max. Test Pressure PT	OW4: 60 bar OW5: 100 bar OW4: 66 bar OW5: 110 bar
Supply Voltage Current	24 VAC, 50/60 Hz, ±10%, 0.05 A
Medium Temperature Ambient/Storage Temperature	-20...80°C -20...50°C
Medium Compatibility	OW4: A1: R134a, R404A, R407C, R450A, R452A, 448A, R449A, R507, R513A, R410A A2L: R32, R452B, R454B, R454A, R454C, R455A, R1234ze, R1234yf Note: A2L only with oil: Emkarate RL-3MAF, R32 only with SP32 oil type OW4/OW5: R744

Orientation of Base Unit Level Control	Horizontal, +/- 1° 40%...60% Sight Glass Height
Alarm Contact	Max. 3 A, 230 VAC SPDT Dry Contact
Time Delay Alarm	20 Sec or 120 Sec
Protection Class	IP 65 with plug/cable assembly acc. EN 60529 test conditions