

HZ 3 | HZ 3 RR oil meter

For central oil supply – oil stoves

Can also be installed in the case of oil central heating with a one-pipe (suction pipe) system.

HZ 3 oil meter

■ The HZ 3 oil meter can be used as a measuring device for EL fuel oil and diesel fuel. Even the smallest quantities can be measured with the greatest accuracy, you simply read off your oil consumption. The calibrated oil meter (calibration is valid for ten years) permits accurate consumption calculations and is moreover extremely robust with a long service life.

Evaluation of conformity according to MID (initial calibration)

The conformity evaluation of HZ 3 oil meters complies with the official verification and remains valid for a period of 10 years. After expiry, the HZ 3 oil meter can be recalibrated on our test bench.

The oil meter HZ 3 is available for delivery either with an EEC type-examination certificate (license number DE-10-MI005-PTB019 with CE marking) or in works tested version.

NEU

HZ 3 RR oil meter

With pulse generator for further digital processing

■ In addition to the drum-type register, one can also find a potential-free reed contact installed on the HZ 3 RR. During each rotation of the dial, the reed contact emits 1 pulse, which is equivalent to a flow-rate of 1 litre.

Just like the FZ 5 remote digital reader, the HZ 3 RR can also be used independently as a pulse-generator in other measuring systems.

When the HZ 3 RR is installed in other systems, then one must remember that the reed contact may only be used as a signal switch. The load limits 30 V and 30 mA must be maintained!

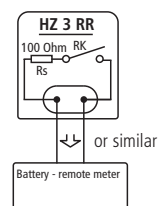
Technical data HZ 3 and HZ 3 RR

Flow rate range (MID Guideline 2004/22/EC)	0.18 ... 12 l/h
Maximum flow rate range (according to the manufacturer's standards)	30 l/h (25 kg/h)
Possibility to read from the oil meter	0.01 l ... 99999.99 l
Measuring accuracy	± 1 %
Nominal pressure	6 bar
Pressure loss	0.05 bar ... 0.1 bar
Heating oil type	EL according to DIN 51603
Temperature range/ ambient temperature	-5°C ... +70°C
Connecting thread	DIN 3852-X-G 1/4", internal
Boiler capacity/burner capacity	1.65 kW ... 275 kW
Weight	1.25 kg

HZ 3 RR - Reed contact data:

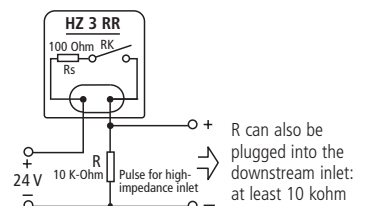
Example 1:

Connection to the active port e.g.: Battery gauge



Example 2:

Connection to the passive port



Reed contact:

Type of contact - NOC:

Pulse Frequency: Attention:

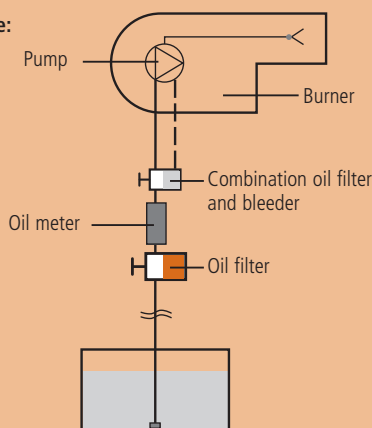
Type of contact: Max. wire gauge:

- Pulse value: 1 Pulse = 1 l
- max. electricity 70 mA/max. voltage 30 V
- integrated protective resistor RS: 100 Ohm/ 0.6 W
- voltage drop across Rs at 10 mA: 1 V
- at 40 l/h ca. 0.2 Hz
- Avoid contact with the magnetic field: e.g. fan or solenoid valve
- On the relay contact be mindful of the flyback diode
- Do not connect the low-impedance voltage source parallel to the clamp!
- Screw terminal
- 2 x 2,5 mm²

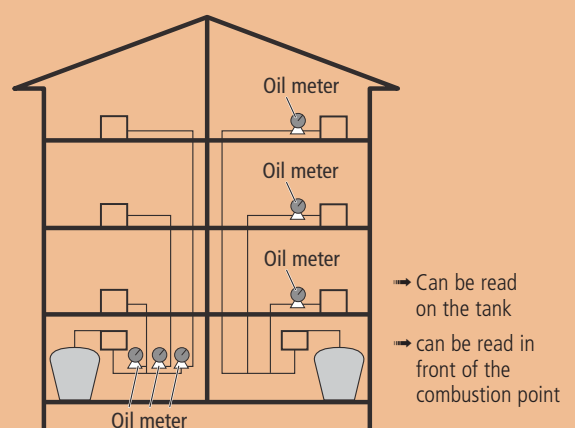
Installation options for HZ 3 | HZ 3 RR

Single pipe system (oil central heating)

Installation in the suction pipe:



ZÖV (central oil supply)



BRAUN oil meters for perfect consumption monitoring.