

We present...

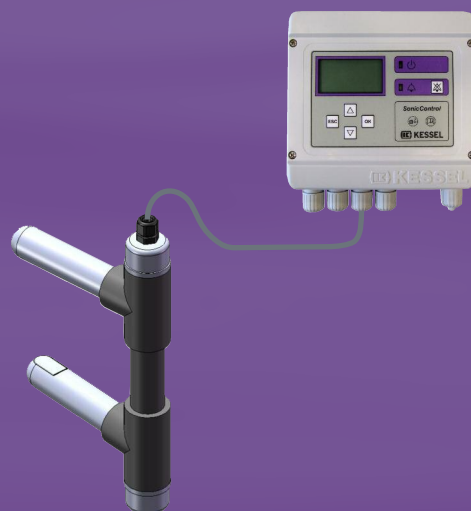


## SEPARATOR DISPOSAL COST REDUCTION with real time monitoring device!



Grease separators

Automatic measuring device “SonicControl”  
for the measurement, display and control of the  
grease layer thickness in a grease separator



Quality  
Safety  
Success

## The solution for checking the grease layer in your grease separator



### DIN EN 1825-2 specifies the following:

“Unless prescribed otherwise, sludge traps and separators should be emptied, cleaned and filled with fresh water again once a month, or preferably every two weeks.”

In accordance with DIN EN 1825, the disposal intervals must be defined in such a way that the storage capacity of the sludge trap and the separator is not exceeded. In addition, sludge trap and separator must be emptied at least once a month.

But what if the grease separator has not reached its storage capacity after a month? More and more local authorities are offering companies with relative low grease volume the possibility of extending their disposal interval. The owner-operator is obliged to prove measurement of the grease layer thickness.

**The solution:**  
**grease layer thickness measuring device “SonicControl”**  
**from KESSEL.**

- ☐ Centimeter accurate real-time grease measurement
- ☐ Control unit with SDS (Self Siagnosis System)
- ☐ Grease separator temperature measurement
- ☐ Fast and easy installation
- ☐ Low power costs
- ☐ Suitable for all KESSEL grease separators
- ☐ Can be retrofitted to fit existing KESSEL grease separators

- + Disposal costs are saved**  
by extending the disposal intervals
- + Lower maintenance costs**  
thanks to maximum of two services per year
- + User-friendly operation**  
thanks to the interactive control unit with digital display and user-friendly interface
- + Environment protection**  
Disposal of clean water no longer necessary, takes the pressure off resources
- + Installation and assembly**  
Fast and easy installation on the outlet fitting of the grease separator

# Measuring Device “SonicControl”

## Illustration



## Description

### KESSEL layer thickness measuring device “SonicControl” With ultrasonic sensor for grease separator

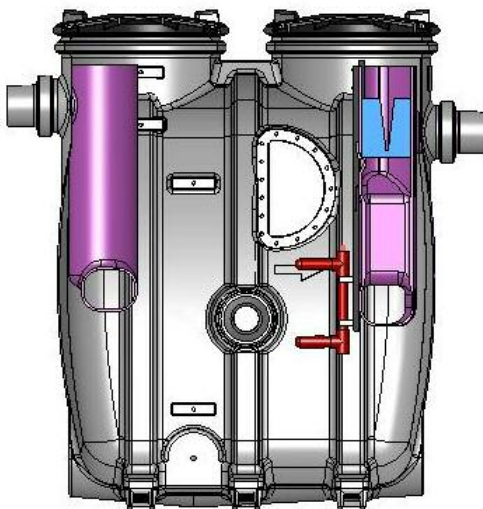
Real time monitoring and data transfer of grease layer thickness, temperature measurement, 230V 50 Hz power connection, re-chargeable battery back up, BMS connection (Building Management Systems), 5 meter cable length from control unit to probe (extendable to up to 30 meter on-site), includes mounting bracket for interior installation on KESSEL above ground and underground grease separators, retrofittable to KESSEL grease separators, control unit with audible and visual alarms, electronic log book for up to 12 months of data recording, data download connection

**Accessories:** Remote signal generator, Art. no. 20 162

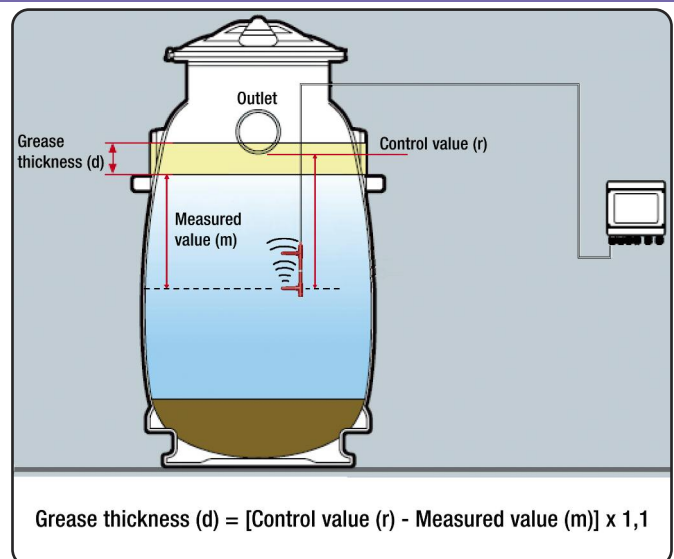
## Art. no.

917 821

## Installation example



## How it works



Control value (r) = 350 mm (depending on grease separator type)

Measured value (m) = 300 mm

Grease thickness (d) = (350-300) x 1,1 = 55

⇒ Grease layer = 55 mm

## Calculation example

Disposal costs (based on a German town) € 125 for the first m³, € 100 from the second m³.

Example of saving on disposal costs with *KESSEL-grease separator*:

NS	Disposal volume in liter	Resulting monthly costs	Annual disposal costs	Cost saving when reduced to disposal every 2 months	Cost saving when reduced to disposal every 3 months
2	412	approx. 125 €	approx. 1.500 €	approx. 750 €	approx. 1.000 €
4	754	approx. 125 €	approx. 1.500 €	approx. 750 €	approx. 1.000 €
7	1.267	approx. 225 €	approx. 2.700 €	approx. 1.350 €	approx. 1.800 €
10	1.794	approx. 225 €	approx. 2.700 €	approx. 1.350 €	approx. 1.800 €



## Areas of application

The KESSEL grease layer thickness measuring device "SonicControl" can be used for all KESSEL grease separators.



**KESSEL grease separator Euro "E+S" PV**  
with program-controlled disposal device and shredder-mix system



**KESSEL grease separator Euro "E+S" M**  
with manual disposal device and shredder-mix system



**KESSEL grease separator Euro "D+S"**  
with direct disposal and shredder-mix-system



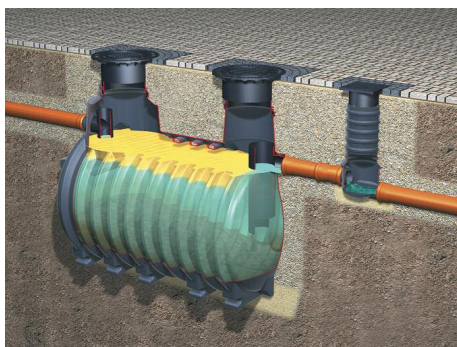
**KESSEL grease separator Euro "D"**  
with direct disposal



**KESSEL grease separator Euro "G"**



**KESSEL grease separator Euro "G"; NS 1-4**



**KESSEL grease separator Euro "G"; NS 7-20**