

# Level detection for grease-water separators GAD 531



GAD 531

- Monitoring of grease-water separators
- Compact and economical model
- Detection of grease layer thickness overpassed
- Relay output; Changeover contact
- LEDs signals and audible alarm




## APPLICATION

- Alarm unit for monitoring of grease separators in conformity with EN 1825

## DESCRIPTION

GAD 531 and probe GP/10 are designed for monitoring grease-water separators. The probe GP/10 detects when the thickness of floating greases over water, is greater than the permitted max. thickness.

GAD 531 displays the system status through 3 LEDs:

-  → Alarm occurred, not yet reset
-  → Normal monitoring status
-  → Alarming status

Pictograms 



GP/10

The alarm unit has an auto-diagnostic of system integrity.

A relay output and an audible alarm inform the operator. The buzzer may be deactivated with a simple jumper if necessary.

Components of one system:

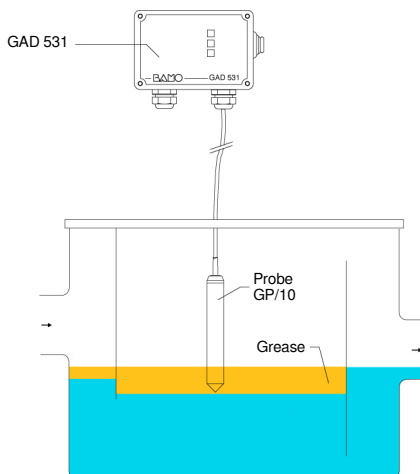
- Alarm unit GAD 531
- Detector: Probe GP/10 (cable output, 10 m long)

### Caution:

Not suitable for the detection of greases in emulsion, or greases cured in aggregate!

## CODE NUMBERS AND REFERENCES

| Code    | Reference | Description  |
|---------|-----------|--|
| 531 960 | GAD 531   | Alarm unit, 230 V AC - 50/60 Hz; Wall mounting; IP65 |
| 531 980 | GP/10     | Probe for grease layer detection; 10 m long cable    |



# BAMO INTERNATIONAL

22, Rue de la Voie des Bans · Z.I. de la gare · 95100 ARGENTEUIL

Tel +33 (0)1 30 25 83 20 Web [www.bamo.eu](http://www.bamo.eu)

Fax +33 (0)1 34 10 16 05 E-mail [export@bamo.fr](mailto:export@bamo.fr)

Level detection for  
grease-water separators  
**GAD 531**

31-05-2018

D-531.05-EN-AC

NIV

531-05/1

531

531

## TECHNICAL FEATURES

### GAD 531 – Alarm unit

|                       |  |
|-----------------------|--|
| Main power supply     | 230 V AC +/- 10 % ; 50/60Hz  |
| Power consumption     | ~2 W   |
| Housing protection    | IP65, according EN 60529   |
| Operating temperature | -20 ... +60 °C   |
| Monitoring            | The device has an auto-diagnostic of measuring loop integrity (broken cable, short-circuit)  |
| Signals and alarm     | Audible alarm (Buzzer)<br>Green LED for normal status<br>Yellow LED when alarm occurred and not yet reset<br>Red LED for alarming status |
| Control               | Through 1 push button for diagnostic test and alarm acknowledgement  |
| Relay output          | 1 Relay, 230 V AC, 3 A<br>Changeover contact; Potential free   |
| Cabinet               | Housing: Polycarbonate; 120x80x55 mm; IP 65; Wall mounting   |

### GP/10 – Grease layer probe

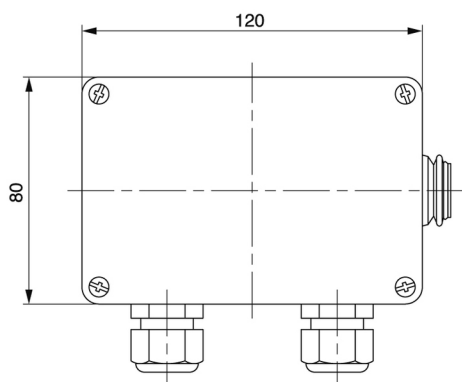
Only for use with an alarm unit GAD 531

|                       |   |
|-----------------------|---|
| Materials             | PP, PE and stainless steel  |
| Cable                 | 10 m long; Elastomer resistant to oils; 2-wire cable (2 x 1 mm <sup>2</sup> ) |
| Max. length           | 300 m (adding an extension with a junction connector)                         |
| Dimensions            | Ø 32 mm; Stem length: 200 mm  |
| Protection            | IP 68 acc. EN 60529   |
| Measuring principle   | Capacitive, high frequency  |
| Operating temperature | -20 °C ... +60 °C   |

### CE Conformity

The instruments meet the legal requirements of the current European Directives.

## DIMENSIONS



GAD 531



GP/10

**BAMO** INTERNATIONAL

22, Rue de la Voie des Bans · Z.I. de la gare · 95100 ARGENTEUIL

Tel +33 (0)1 30 25 83 20 Web [www.bamo.eu](http://www.bamo.eu)

Fax +33 (0)1 34 10 16 05 E-mail [export@bamo.fr](mailto:export@bamo.fr)

Level detection for  
grease-water separators  
**GAD 531**

31-05-2018

D-531.05-EN-AC

NIV

531-05/2