

Greater boiler safety



## Specifications – NRGS 15-1

PN 25 / G 1"  
1st and 2nd low-level alarm  
High-level alarm  
Level control  
Material: stainless steel  
Power supply: 115/230 VAC  
Length supplied: 1000 mm



## The Benefits of the GESTRA Level Control Electrode

- ▶ Clear visual indication
- ▶ Enhanced safety
- ▶ No maintenance required
- ▶ Simple installation
- ▶ No moving parts
- ▶ Redundancy of tips and relays
- ▶ Same unit for various applications and voltages
- ▶ Prolonged life and operation time
- ▶ Stainless steel body & tips
- ▶ Includes testing features and interlock
- ▶ Extended pressure rating PN 25 / Class 250
- ▶ Enhanced boiler protection and energy efficiency
- ▶ Easy to calibrate and recalibrate
- ▶ CE, UL and FM approvals

www.gestra.de

## Specifications – LRGS 15-1

PN 25 / G 3/4" (ISO 228-1)  
Measuring range:  
100 – 10000 mS/cm (25 °C)  
(50 – 5000 ppm (25 °C))  
MAX TDS alarm  
Continuous blowdown control  
Material: stainless steel  
Power supply: 115/230 VAC  
Lengths supplied: 200, 300,  
400, 500, 600, 800, 1000 mm



# GESTRA

## Level Control Electrode NRGS 15-1 and TDS Control Electrode LRGS 15-1

Greater boiler safety brought new floatless technology and  
automated blowdown control

See also our brochure "Equipment for  
Energy Supply Centres".  
Visit our homepage: [www.gestra.de](http://www.gestra.de)

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Mit Energie in die Zukunft

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Experience In Motion





## Protect yourself, your staff and your plant

Analyses of the German VdTUV file on boiler accident causes and of reports by the U.S. National Board of Boiler and Pressure Vessel Inspectors on boiler accidents relating to water low-level limiters both reveal the most significant boiler safety risks. They identify mechanical float-controlled level limiting devices as being the most common safety threat in boiler houses. If they are not tested constantly and serviced frequently, such devices imply a high level of loss and insecurity. If the float collapses, becomes clogged or punctured, or has a worn-out mechanical linkage, its malfunction will typically result in massive boiler damage leading to production outages and often causing injury to persons and damage to property.

Leading engineers in the field of boiler technology therefore recommend the exclusive use of electronic monitoring units, which exhibit almost no defects in comparison with their mechanical counterparts. Make the most of all the technical possibilities at your disposal. Protect yourself, your staff and your plant by installing the new GESTRA level control electrode NRGs 15-1 and TDS compact switch LRGS 15-1.



*A classic case of boiler damage, caused by the use of a low-level alarm operating with a float.*

### Level Control Electrode NRGs 15-1

#### One sensor, five functions:

1. High-level alarm
2. Pump off
3. Pump on
4. First low-level alarm
5. Second low-level alarm

### Compact TDS Switch LRGS 15-1

#### A new compact sensing and control device:

1. Continuous TDS monitoring and limiting
2. Direct measurement inside the boiler drum
3. Automatic blowdown control and monitoring
4. Temperature-compensated measurement
5. Digital and menu-driven user interface

