



Level Electrodes

**NRG 16-50**

**NRG 17-50**

**NRG 19-50**

**EN (USA)**  
English

Original Installation &  
Operating Manual  
**850691-00**

## Technical data

### Service pressure

NRG 16-50: 464 psi at 460 °F (32 bar at 238 °C)  
NRG 17-50: 870 psi at 527 °F (60 bar at 275 °C)  
NRG 19-50: 1450 psi at 592 °F (100 bar at 311 °C)

### Mechanical connection

Thread 1" - 11.5 NPT

### Materials

Screw-in body 1.4404 / F316L  
Measuring electrode 1.4571, X6CrNiMoTi17-12-2  
Electrode extension 1.4401, X5CrNiMo17-12-2  
Electrode insulation Gylon®  
NRG 1...-50: Four-pole connector, polyamide (PA)  
NRG 1...-50F: Terminal box 3.2161 G AISi8Cu3

### Lengths supplied

19.68 in (500 mm), 39.37 in (1000 mm), 59.05 in (1500 mm), 78.74 in (2000 mm),  
98.42 in (2500 mm), 118.11 in (3000 mm)

### Electrical connection

NRG 1...-50: Four-pole connector, cable glands M 16  
NRG 1...-50F: Aluminum terminal box, cable gland M 20

### Protection

IP 65 according to EN 60529  
NRG 1...-50: NEMA type 1 according to NEMA 250  
NRG 1...-50F: NEMA type 4 according to NEMA 250

### Admissible ambient temperature

Max. 158 °F (70 °C)

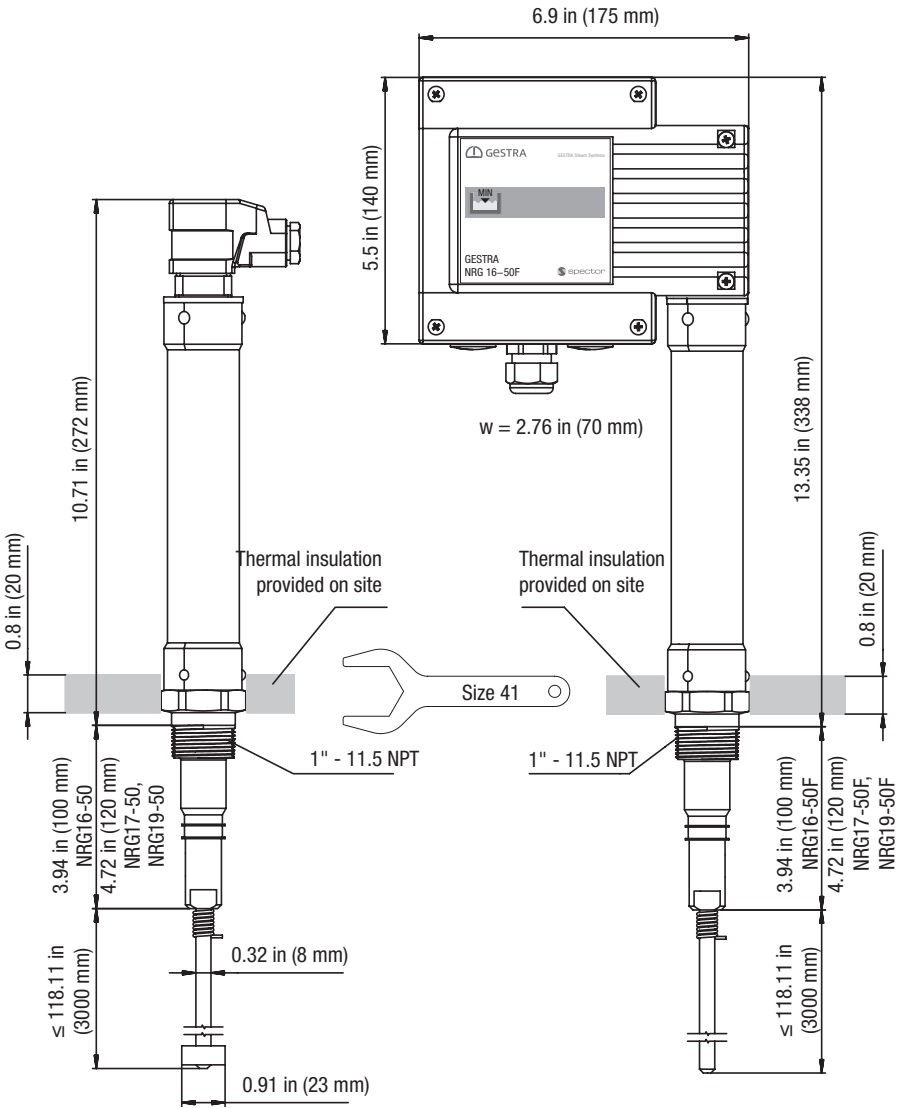
### Weight

Approx. 2.65 lb (1.2 kg) (without extension) (NRG 16-50)  
Approx. 3.31 lb (1.5 kg) (without extension) (NRG 17-50 and NRG 19-50)  
Approx. 4.63 lb (2.1 kg) (without extension) (NRG 16-50F)  
Approx. 5.3 lb (2.4 kg) (without extension) (NRG 17-50F, NRG 19-50F)

### Other information

Incorporated type 1 action operating control  
Pollution degree 3, impulse voltage 330 V

# Dimensions of the NRG 16-50, NRG 17-50, NRG 19-50



**Fig. 6**  
 NRG 16-50, NRG 17-50, NRG 19-50  
 with four-pole connector and enlarged measuring surface

**Fig. 7**  
 NRG 16-50F, NRG 17-50F, NRG 19-50F  
 with aluminum terminal box