## MEASURING INSTRUMENTS

Made in Germany

# Digox 6.1 HY-S

## Measuring hydrazine concentrations in water


### Analyser Digox 6.1 HY-S

The Digox 6.1 is an instrument to measure the concentration of dissolved hydrazine in high-purity water by means of amperometry. The hydrazine is oxidised at a gold electrode, which is in direct contact with the water. Therefore short response times and highest accuracies are ensured.

One feature of the Digox 6.1 is its robust sensor which is low maintenance. Due to the modular construction of the instrument, the sensor is easily accessible if it needs to be cleaned or serviced.



# Digox 6.1 HY-S

### ADVANTAGES

- **high accuracy**
- **short response time**
- **no drift of the signal**
- **robust sensor**
- **low maintenance**
- **no chemicals and consumable materials**

## MEASURING INSTRUMENTS

# Digox 6.1 HY-S

| | |
|---|---|
| **Model** | Digox 6.1 HY-S stationary (DG 77.50.00) |
| **Measuring range** | 0…1,000 µg/l $N_2H_4$ |
| **Measurement error** | < 1 % in the measuring range 0...1,000 µg/l or<br>± 3 µg/l in the range 0...100 µg/l |
| **Resolution** | 0.1 µg/l |
| **Response time** | $t_{90}$ < 8 s |
| **Calibration** | reference calibration |
| **Data logger** | 2,000 data sets in a continuous data logger |
| **Flow** | 3…20 l/h, compensated automatically<br>optimal 10 l/h |
| **pH value** | stable 9 - 10 ± 0,2 |
| **Sample pressure** | 0…8 bar, pressure peaks up to 16 bar |
| **Sample temperature** | 0…60 °C, automatically compensated |
| **Ambient temperature** | 0...40 °C |
| **Signal outputs** | 3 x active 0(4)…20 mA freely selectable<br>5 x switching contact (changer), freely selectable 60V/0,5A |
| **Interfaces** | optional USB 2.0 to read out the data logger |
| **Power supply** | 100…240 VAC (50/60 Hz), 20 VA,<br>optional 24 VDC (DG 77.60.00) |
| **IP Rating** | IP 65 |
| **Weight** | 8.0 kg, mounted on stainless steel plate<br>(optional stainless steel cabinet) |
| **Dimensions** | 580 x 335 x 140 mm (H X W X D) |



Subject to technical alterations.

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