

MEASURING INSTRUMENTS

Digox 6.1 HY-S

Measuring hydrazine concentrations in high-purity 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.

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ADVANTAGES

- high accuracy, short response time, no drift of the signal
- robust sensor, low maintenance



TECHNICAL DATA

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Model	Digox 6.1 HY-S stationary (DG 77.50.00)
Measuring range	0...1,000 µg/l N ₂ H ₄
Measurement error	< 1 % in the measuring range 0...1,000 µg/l or ± 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	4,000 data sets in a continuous data logger storage of several measuring cycles possible
Flow	3...20 l/h, compensated automatically 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 5 x switching contact (changer), freely selectable 60V/0,5A
Interfaces	optional USB 2.0, Ethernet
Power supply	100...240 VAC (50/60 Hz), 20 VA, optional 24 VDC (DG 77.60.00)
IP Rating	IP 65
Weight	8.0 kg, mounted on stainless steel plate (optional stainless steel cabinet)
Dimensions	580 x 335 x 140 mm (H X W X D)

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Subject to technical alterations.

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