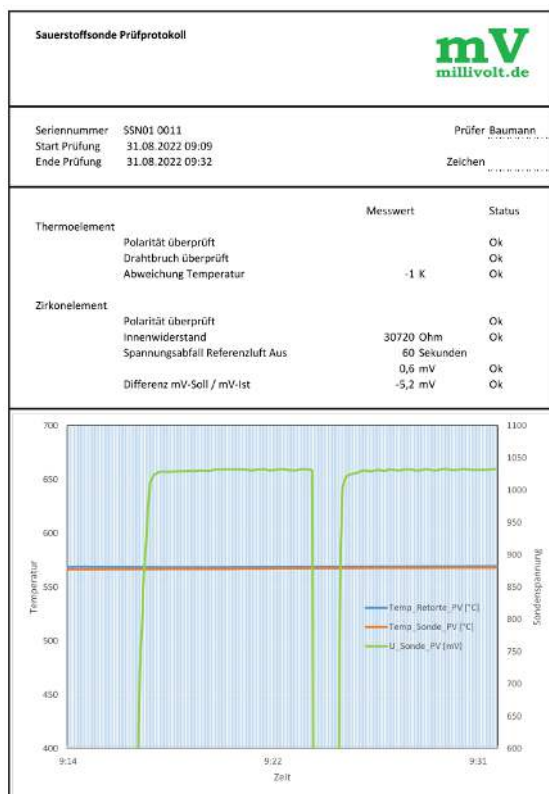


SSN 01

Oxygen Probe for Nitriding– and Nitrocarburizing Processes

- Oxygen probe for determining nitriding and nitrocarburizing atmospheres as a supplement to Hydrogen sensor H2S and the sensor module SM01
- Vacuum-tight design, suitable for evacuable furnaces
- Supplied with test certificate both for new device and after maintenance
- In different lengths between 500mm and 900mm available



Function

The probe is characterized by its robustness, reliability and durability. Together with the SM01 sensor module, it is particularly suitable for measuring furnace atmospheres in nitriding, nitrocarburizing and oxynitriding processes at the process-typical temperatures of 500°C - 600°C. The measured probe voltage EMF corresponds to the Nernst voltage.

Probe test and test report

Before delivery, each probe is tested in a test furnace under a test atmosphere traced back to a temperature measurement. The test includes a functional test and a quantitative check to determine:

- Deviation in probe signal
- Impedance of the probe (condition of the zirconia tube)
- Deviation in temperature
- Response to missing reference air

The probe is supplied with a test report.

Repairs and spare parts

The maintenance of the probe can be carried out by the manufacturer or by the user himself. All parts are also available as spare parts.

Selection of Model

SSN 01 -	XX -	XXXX -	X -	XXX -	XX	
						Hose connection N3 = hose nipple for hose with inner diameter of 3 mm
						Electrical connectors STD = 1 x Lemo S2 Connector CNS = 2 x Lemo S2 Connector
						Thermocouple Type S = Thermocouple Type S K = Thermocouple Type K N = Thermocouple Type N 0 = no Thermocouple
						Nominal length in mm 0500, 0540, 0600, 0650, 0700, 0800, 0900
						Version M1 = metal outer sheath / connection G1" K1 = ceramic outer sheath / connection G1"