

SAMURAI option: WEATHER STATION



Field of Application:

The meteorological correction factor C_{met} (DIN ISO 9613-2) must be taken into account in the calculation of the noise rating level, e.g. for the German "TA Lärm".

The correction factor includes a deduction dependent upon the meteorological conditions as well as the local situation between the noise source and the point of measurement.

Description:

This option allows the following weather data to be recorded synchronously with the noise level measurement: temperature, humidity, pressure, rain event, wind speed and wind direction. The wind direction is visualized as a direction-dependent color of a marker track.

Technical Data

Features	
	<ul style="list-style-type: none"> • Synchronous recording with time signal, spectra etc. • Temperature • Wind speed and wind direction • Humidity • Rain event • Atmospheric pressure • ISO 9613-2:1996 (Acoustics -- Attenuation of sound during propagation outdoors -- Part 2: General method of calculation)

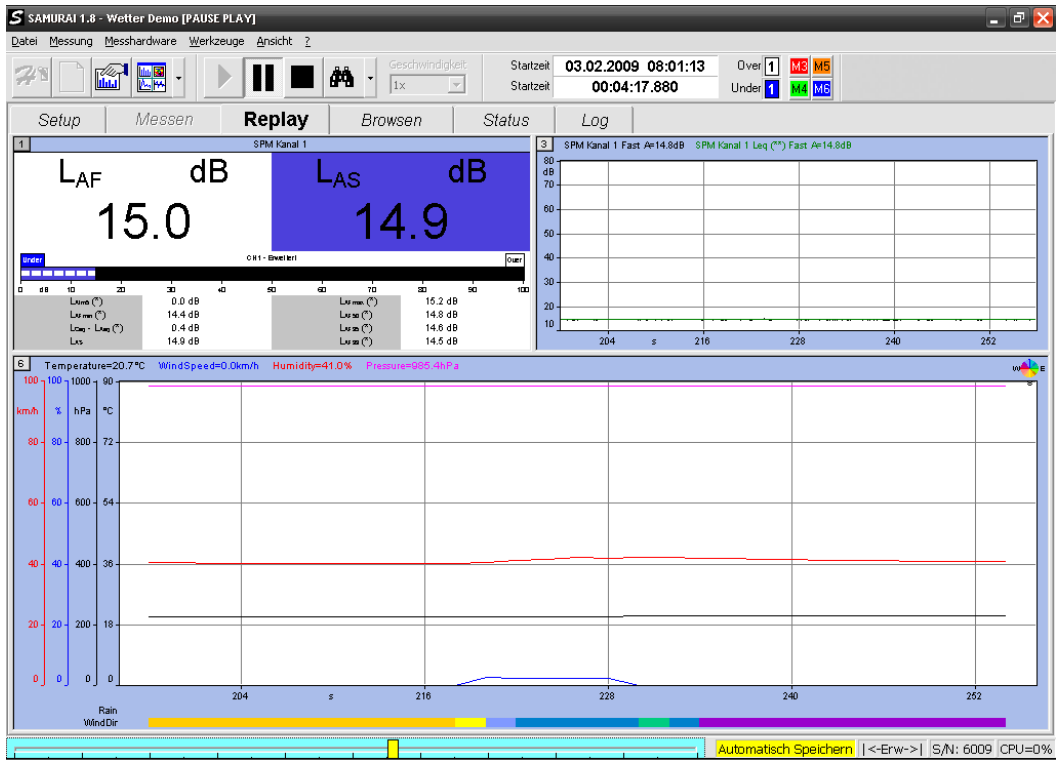


Figure 1: Time history of the weather data

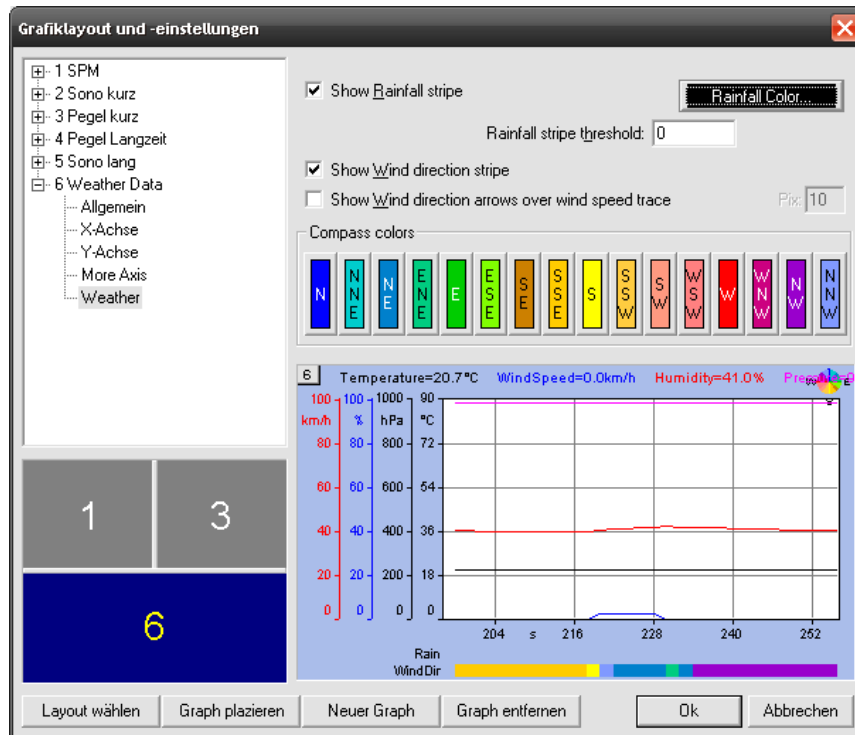


Figure 2: Graphic layout