

Compact signal generator 5101

The compact signal generator 5101 generates radiation for Flame Scanners/Compact Flame Controllers.

The spectral ranges “UV”, “N-IR” and “M-IR”, each with three frequencies, are available for checking the Flame Scanner/Compact Flame Controller.

The spectral range and the frequency are selected via a rotary switch and visualized by LEDs.



The compact signal generator is suitable for the following Flame Scanners/Compact Flame Controllers:

Flame Scanner: 2.0, 2.0GT, 2.0L, 2.0LA, 3.32, 4.0, 4.1, 4.2

Compact Flame Controller: CFC200UV, UV1, IR
CFCx000UV, UV1, IR, IR2

1 | Technical data

Signal source wavelength	$\lambda_p = 400 \text{ nm (UV)}$ $\lambda_p = 950 \text{ nm (N-IR)}$ $\lambda_p = 1350 \text{ nm (M-IR)}$
Power supply via accumulator	9 V DC
Power supply via power adapter	24 V DC
Current consumption Accumulator operation Power adapter operation	approx. 20 mA approx. 15 mA (without accumulator) approx. 25 mA (charge retention) approx. 140 mA (charging the accumulator)
Protection class	according to class III SELV at accumulator operation
Housing	aluminum, IP 20
Dimensions	75 mm x 95 mm x 131 mm
Operating temperature With accumulator Without accumulator	0 °C up to +45 °C 0 °C up to +50 °C
Stock temperature	-20 °C up to +40 °C
Weight	approx. 1.0 kg