

Compact Signal Generator 5107

The Compact Signal Generator 5107 generates radiation for thermocouple-based Flame Scanners / Compact Flame Controllers. The “sync” and “async” modes, each with two frequencies, are available for checking the Flame Scanner / Compact Flame Controller.

The mode and the frequency are selected via a rotary switch and visualized by two LEDs.

The Compact Signal Generator is suitable for the following Flame Scanners / Compact Flame Controllers:

Flame Scanner: 7.0, 7.0/2, 7.0MS, 7.1

Compact Flame Controller: CFC200IR3
CFCx000IR1, IR3



1 | Technical Data

Signal source wavelength	$\lambda_p = 1350 \text{ nm (IR)}$
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, IP20
Dimensions	75 mm x 95 mm x 131 mm
Operating temperature With accumulator Without accumulator	0 °C to +45 °C 0 °C to +50 °C
Stock temperature	-20 °C to +40 °C
Weight	approx. 1.0 kg