

## Fixed flammable gas alarm ЦГГ-6М



ЦГГ-6М is designed for continuous automatic monitoring of content of fuel gases (natural gas according to ГОСТ 5542-87 and liquefied hydrocarbon gases according to ГОСТ 20448-90) in the air of industrial premises and community facilities.

Application: boiler houses of various capacities using liquefied or natural gases, and other production and administrative facilities and accommodation spaces.

Principle of operation - thermochemical.  
Sampling - diffusion.  
Type of gas alarm - fixed.

### Basic technical characteristics ЦГГ-6М

Characteristics	Values	Remarks
Alarm actuation thresholds (for methane), % LEL	10 20	Set by user
Absolute error, % LEL, not more than	± 5	
Alarm actuation time, s, not more than	15	
Maintenance-free period, months	12	
Power consumption, W, not more than	5	
Warm-up time of gas alarm, min., not more than	5	
Distance between ЦГГ-6М and БСП-6М, m	Up to 200	
Operating temperature range, °C	from - 10 to +50	
Degree of protection	IP30	
Overall dimensions, mm, not more than	70x50x110	
Weight, kg, not more than	0,5	
Average service life of sensor, years	5	

Gas alarm ЦГГ-6М is supplied complete with power supply and alarm unit БСП-6М (in SPTA set) that performs the following functions:

- power supply of ЦГГ-6М;
- generation of light and audible alarms;
- control of electromagnetic valve КЭГ-9720 by switching dry relay contacts.

### Basic technical characteristics БСП-6М

Characteristics	Values	Remarks
Operating temperature range, °C	from -10 to +50	
Supply voltage, V	from 150 to 253	With frequency 50±1 Hz
Power consumption, VA, not more than	6	when ЦГГ-6М is connected
Relay load capacity	5 A, 220 V	
Rated output voltage, V	12	for ЦГГ-6М power supply
Sound pressure level, dB, not less than	70	At a distance of 1 m from the unit
Dwelling time, s, not more than	0,3	
Degree of protection	IP30	
Overall dimensions, mm, not more than	200x70x140	weight 0,8 kg

### Standard equipment:

Gas alarm, SPTA set, technical documentation.

**At extra charge the following products are supplied for gas alarm verification:**

- 4-liter cylinders with calibration TGM-SSS;
- fine adjustment valve ВТР (ИБЯЛ.306577.002);
- flow rate indicator ИП (ИБЯЛ.418622.003-01);
- TCS (ИБЯЛ.413923.031-03) to replace TCS with expired service life;
- electromagnetic valves КЭГ-9720 (ИБЯЛ.685181.001 ТУ-2003);
- alarm unit БСП-6М (ИБЯЛ.418471.001);
- dispatcher desk ДИСП (ИБЯЛ.465213.003).