

VI PYROMETERS

Portable Pyrometers

«Smotrych-4ПМ1», «Smotrych-5ПМ1»..... 134

Stationary Pyrometers

«Smotrych-8»..... 135

PORTABLE PYROMETERS OF PARTIAL RADIATION
“SMOTRYCH -4ПМ1”, “SMOTRYCH -5ПМ1” (ТУ У33.2-04850451-068-2001)

Designed for contact free irradiation and periodic express control of temperature in various manufacturing processes in metallurgy, glass making, founding, chemical, lacquer and paint making, extractive industry to control temperature of heating high voltage connections, insulators, control of furnace lining, heat leakages in buildings and heating lines, in agriculture, food industry and households.

Measurement of current and maximum temperature levels.

Display of temperature in digital format.

Determining the irradiation capacity of object by the known temperature.

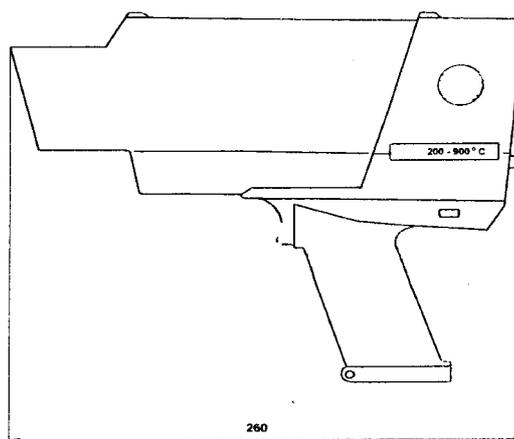
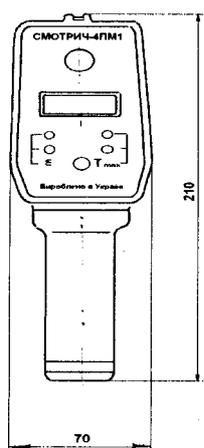
Laser or optical pointing at object.

Weight, not more than - 1,4 kg

Size - 70x210x260 mm.

Additional service functions:

- digital output to PC via RS-232 or RS-485 interface;
- 200-value memory;
- laser or optical pointer.



STATIONARY PYROMETERS OF PARTIAL IRRADIATION
 “SMOTRYCH-8” (ТУ У 33.2-04850451-038:2006)

Designed for contact free measurement of temperature in various manufacturing processes.

Contain pyrometric (ПП) and measurement (ПВ-6) couples connected with electrical cable between each other.

Service functions of stationary pyrometers which are provided by measurement couple ПВ-6:

- measurement and digital indication of current, maximum, minimum or average temperature value measured in during a given time interval t ;
- measurement and digital indication of maximum or minimum, or a difference between maximum and minimum temperature values, measured since the pyrometer has been turned on;
- setting and digital control of the level of irradiation capacity of object from 0,1 to 1,0 with discreteness of 0,01;
- integrator with integration time from 0 to 100 s;
- detector of maximum values with an option to set time of data update from 0 to 100 s;
- option to increase resolution by narrowing the temperature range;
- three position relay controller with settings “less” – “zone” – “more” with acceptable electrical load of 220 V, 50 Hz, 0,5 A;
- digital output to PC through RS-232 or RS-485 interface.
- analog output: current 0 – 5 mA or 4 – 20 mA selectable by operator.

Technical specifications of stationary pyrometers may be altered on customer request.

Weight of measurement couples ПВ – 3,0 kg;

size, mm - 164 x 120 x 280 (or 160 x 75 x 200).

Size of pyrometric couples, mm:

- ПЧД-131, ППТ-131 – diameter 50 x 275 (325);

- ПЧП-161 – diameter 63 x 303.

