

The invention relates to the field of nonelectrical quantity measurements and can be used to study the transient thermal processes in facilities that convert solar radiation into heat energy, such as solar collectors.

The device for measuring the parameters of transient thermal processes contains the test object (1), instruments for measuring the temperature (6, 7) and heat-transfer agent speed (8) in the test object (1), a signal processing unit (4), connected to the measuring instruments (6, 7, 8) and to a measured quantity visualization unit (5), as well as a heat source (9) with the steady-state regime output time much smaller, for example, more than a hundred times, in relation to the calculated value of the thermal transient process duration in the test object (1).

Claims: 1

Fig.: 2

