

Transducer assembly with the pipe (hereinafter converter) was cooled to 0 ° C, then placed in an incubator, which had a flow temperature of 70 ° C. For the control of temperature in the thermostat was set reference quartz thermometer PTK-0,05-3 (see Fig. 3). To control the air pressure on the table was set pressure transducer and temperature quartz PDTK 0,1-2-R with an upper limit of measurement 800 mm Hg (1.0876 kg/cm²) and the basic reduced error of <0.06% FS.

Poll each channel inverter is - every 10 seconds.

At the time of thermal shock, a sharp change in the frequency of the resonator barochuvstvitelnogo, based on the pressure of the order - 7 ... 9 kgf / cm².

Further as a result of heating and temperature compensation after 240 seconds. transducer readings are restored with an error of 0.2 kgf/cm² (0.03% of full scale), and after 500 sec. With an accuracy of 0.02 kg/cm² (0.003% of full scale).

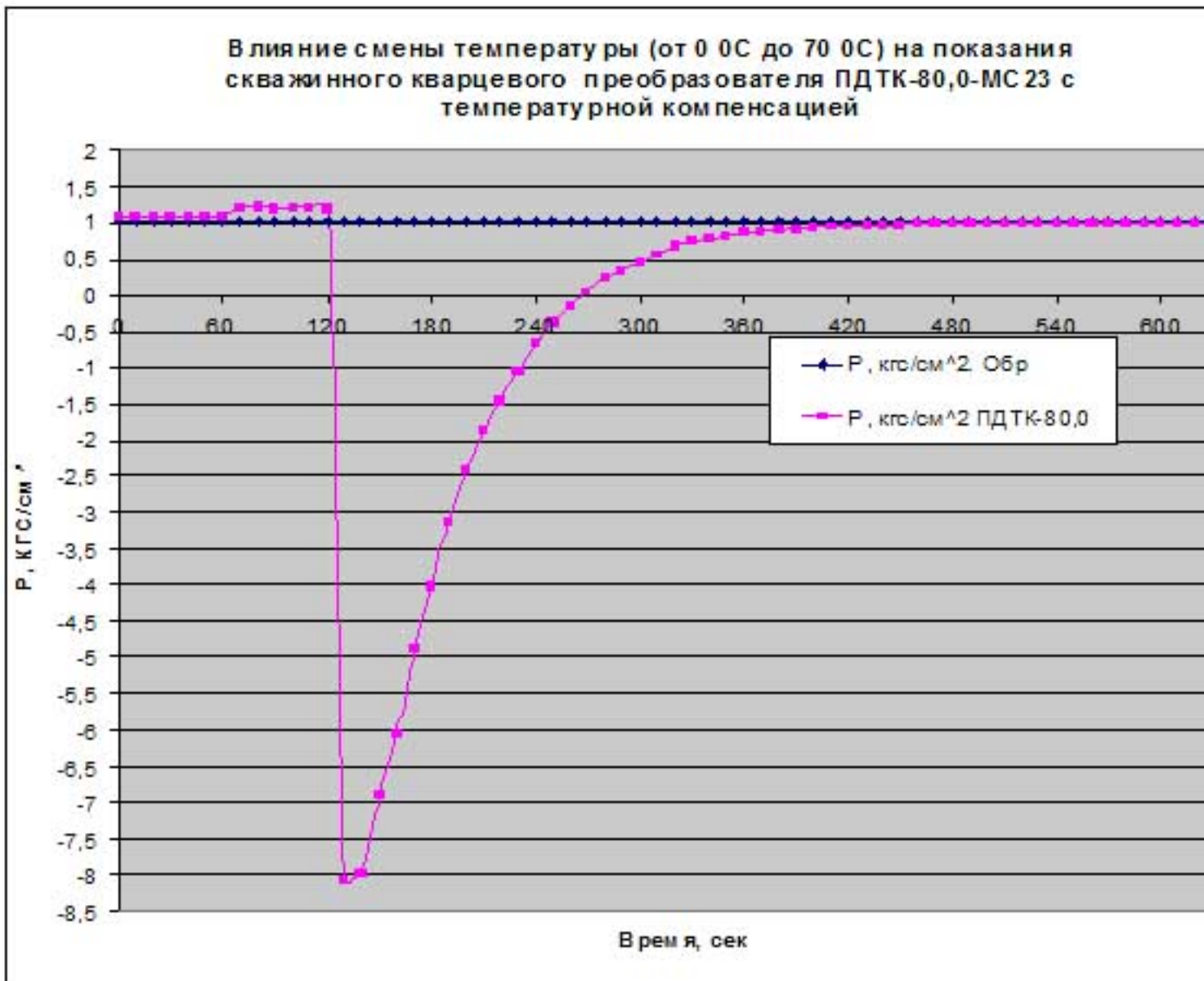


Fig. 2

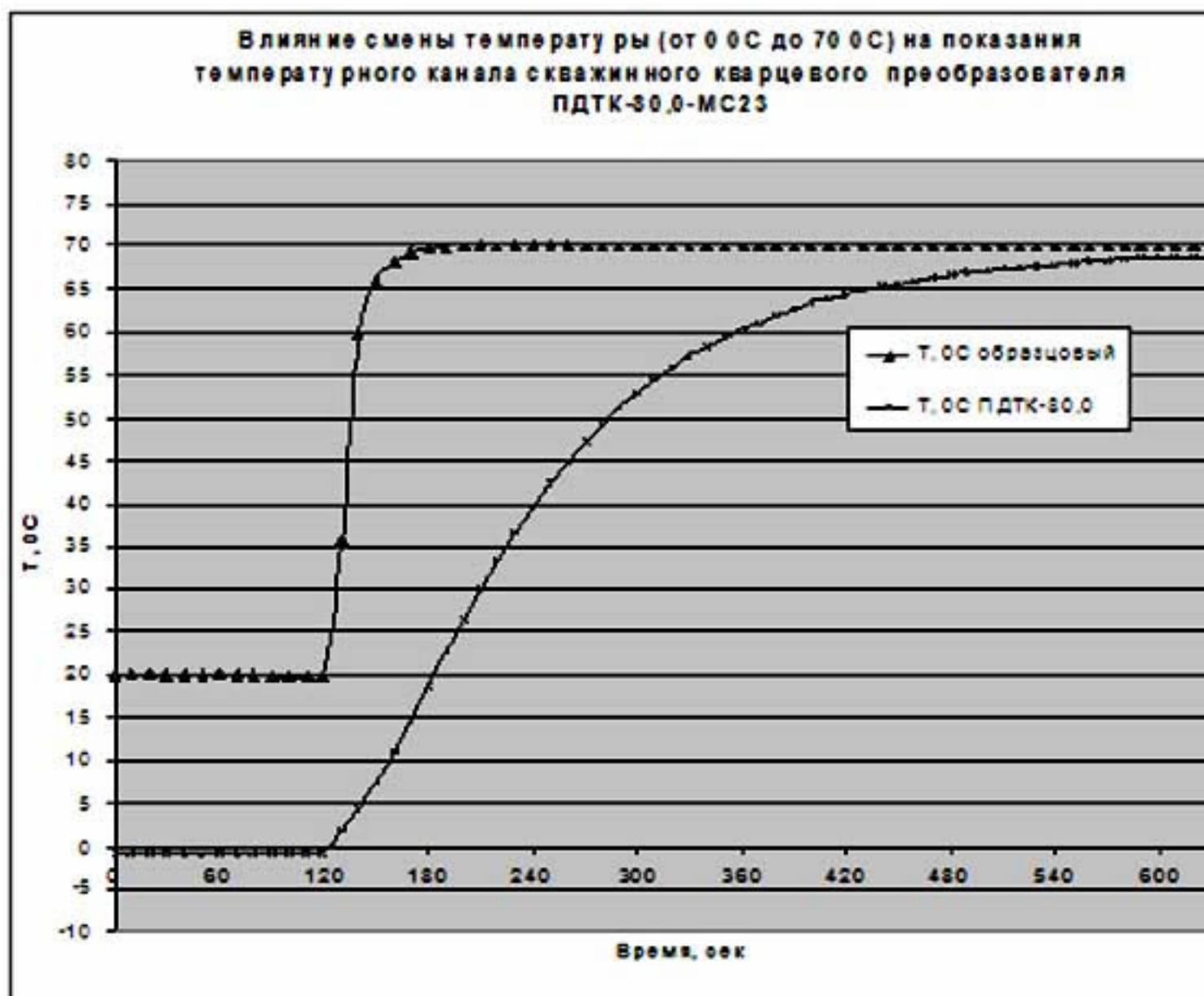


Fig. 3

