DEVELOPMENT AND TEST OF THE EQUIPMENT COMPLEX FOR MEASURING THE FLUID TEMPERATURE AND FLOW RATE

P. L. Pavlova, P. M. Kondrashov, O. A. Tronin

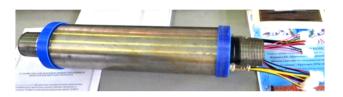
Key words: complex; equipment for measurement; heat meter; fluid flow rate; temperature sensor; flow rate measurement

[1, 2, 3]

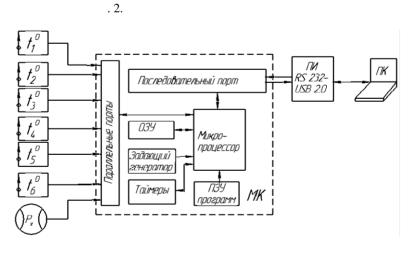
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[5], « (.1).



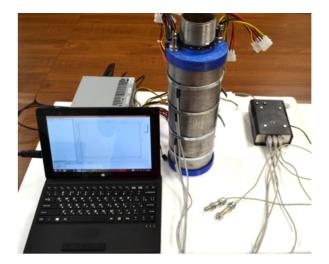
. *1*.



. 2.

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3, 4, DS18B20 5,
                                                                      7,
6 ( . 3, 4),
   2, 1,
                                     \begin{array}{c} {\rm DS18B20} & . \\ {-10} & {+85}^{\,0} \end{array} \ .
                                                                                  \pm 0,5^{\ 0} .
                                                       . 4.
                                      t_1^0, t_2^0, t_3^0, t_4^0, t_5^0, t_6^0 P_x
( ),
                                                 RS232 USB 2.0. ( ).
                          Excel;
             DS18 20
                                             \begin{array}{ccc} & 3 & 5.5 & ; \\ -10 & +85^{0} & ; \\ \pm 0.5^{0} & ; & \end{array}
                           1-Wire
                                                                                  1 \quad 150^{0};
                                            0,05 1,5 /;
                 0,3 3 /;3
         . 5
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. 5.

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