Table with check results for the pressure/differential pressure transmitter:

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Input | | Transmitter output | | Measurement error | Processing error | Transmitter output | | Measurement error | Processing error |
| [%] | [kPa] | current [mA] | pressure [bar] | [bar] | [%] | current [mA] | pressure [bar] | [bar] | [%] |
|  |  | *with increasing signal* | | | | *with decreasing signal* | | | |
| 0 |  |  |  |  |  |  |  |  |  |
| 25 |  |  |  |  |  |  |  |  |  |
| 50 |  |  |  |  |  |  |  |  |  |
| 75 |  |  |  |  |  |  |  |  |  |
| 100 |  |  |  |  |  |  |  |  |  |

Measuring range: - from... to ...... MPa/kPa, class .......

Results of the check:

The largest processing error of the transmitter checked at the facility was ......%.

Based on the check results, it is concluded that the pressure/differential pressure transmitter PT-......../PDT-............ meets/does not meet the manufacturer's declared processing accuracy of class .......

Table with check results for the temperature transmitter:

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Input | | Transmitter output | | Measurement error | Processing error | Transmitter output | | Measurement error | Processing error |
| [%] | [◦C] | current [mA] | temp.[◦C] | [◦C] | [%] | current [mA] | temp.[◦C] | [◦C] | [%] |
|  |  | *with an increasing signal* | | | | *with a decreasing signal* | | | |
| 0 |  |  |  |  |  |  |  |  |  |
| 25 |  |  |  |  |  |  |  |  |  |
| 50 |  |  |  |  |  |  |  |  |  |
| 75 |  |  |  |  |  |  |  |  |  |
| 100 |  |  |  |  |  |  |  |  |  |

Measuring range: - from ..... to +..... ◦C, class .....

Results of the check:

The largest processing error of the transmitter checked at the facility was .....%.

Based on the check results, it is concluded that TT-........ meets/does not meet the declared by the manufacturer of the processing accuracy of class 0,1.

Relative errors of the indications of the measuring circuits should be determined according to the following formula:

e = (x0 − xp)x100%/ xp

where:

e [%] – relative error against the correct value

x0 – value read

XP – correct value

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Input  Xp | | Transmitter output  Xo | Measurement error | Transmitter error  *e* | Permissible measurement error |
| [%] | [◦C] | [◦C] | [◦C] | [%] | [%] |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |