

Factory calibration certificate

Certificate-No. P6044D04484
 Date of issue 19.06.2019
 Order code RSG45-NJ66/0
 Extended order code RSG45-AA1BBAAAA1B1+AIF1N1
 Serial number P6044D04484
 Box / Boxes: 6 / 6

Standards used

Description of the standard	ID-number of the standard	Standard calibrated to
Keithley 2000	29209003	06/2020
Digistant 4462	29209001	06/2020
RTD M-612	29209002	06/2020

Procedure of calibration/measurement and ambient conditions

All measurements have been made in ambient controlled at 25°C +/- 5K and R.H. 0%...80%

Measurement results

Analog input: Slot: 1

Channel	Range	Unit	Nominal Value	Measured value	Deviation	Max allowed deviation	Cond. 1)
1	0-5mA	mA	0.5	0.5026	0.0026	±0.005	52
1	0-5mA	mA	1.5	1.5029	0.0029	±0.005	58
1	0-5mA	mA	2.5	2.5032	0.0032	±0.005	64
1	0-5mA	mA	3.5	3.5037	0.0037	±0.005	74
1	0-5mA	mA	4.5	4.5040	0.0040	±0.005	80
1	0-5V	V	0.5	0.5001	0.0001	±0.005	2
1	0-5V	V	1.5	1.5001	0.0001	±0.005	3
1	0-5V	V	2.5	2.5003	0.0003	±0.005	5
1	0-5V	V	3.5	3.5004	0.0004	±0.005	7
1	0-5V	V	4.5	4.5006	0.0006	±0.005	11
1	1-5V	V	1.4	1.4002	0.0002	±0.005	3
1	1-5V	V	2.2	2.2002	0.0002	±0.005	5
1	1-5V	V	3.0	3.0004	0.0004	±0.005	8
1	1-5V	V	3.8	3.8005	0.0005	±0.005	10
1	1-5V	V	4.6	4.6006	0.0006	±0.005	12
1	±150mV	mV	-120.0	-120.0190	-0.0190	±0.271	7
1	±150mV	mV	-60.0	-60.0167	-0.0167	±0.271	6
1	±150mV	mV	0.0	-0.0081	-0.0081	±0.271	3
1	±150mV	mV	60.0	60.0030	0.0030	±0.271	1

Measurement results
Analog input: Slot: 1

Channel	Range	Unit	Nominal Value	Measured value	Deviation	Max allowed deviation	Cond. 1)
1	+/-150mV	mV	120.0	120.0116	0.0116	±0.271	4
1	+/-1V	V	-0.8	-0.8001	-0.0001	±0.002	4
1	+/-1V	V	-0.4	-0.4000	0.0000	±0.002	1
1	+/-1V	V	0.0	0.0000	0.0000	±0.002	0
1	+/-1V	V	0.4	0.4001	0.0001	±0.002	3
1	+/-1V	V	0.8	0.8001	0.0001	±0.002	5
1	+/-30V	V	-24.0	-24.0019	-0.0019	±0.054	4
1	+/-30V	V	-12.0	-12.0011	-0.0011	±0.054	2
1	+/-30V	V	0.0	0.0000	0.0000	±0.054	0
1	+/-30V	V	12.0	12.0013	0.0013	±0.054	2
1	+/-30V	V	24.0	24.0021	0.0021	±0.054	4
1	TC Typ B	°C	722.0	721.985	-0.015	±2.37	1
1	TC Typ B	°C	966.0	966.023	0.023	±2.37	1
1	TC Typ B	°C	1210.0	1210.104	0.104	±2.37	4
1	TC Typ B	°C	1454.0	1454.095	0.095	±2.37	4
1	TC Typ B	°C	1698.0	1698.114	0.114	±2.37	5
1	Pt100 IEC	°C	-95.0	-94.952	0.048	±0.95	5
1	Pt100 IEC	°C	115.0	115.069	0.069	±0.95	7
1	Pt100 IEC	°C	325.0	325.084	0.084	±0.95	9
1	Pt100 IEC	°C	535.0	535.089	0.089	±0.95	9
1	Pt100 IEC	°C	745.0	745.099	0.099	±0.95	10
1	Pt100 3-wire	°C	-95.0	-95.40	-0.40	±20.0	2
1	Pt100 3-wire	°C	115.0	114.53	-0.47	±20.0	2
1	Pt100 3-wire	°C	325.0	324.48	-0.52	±20.0	3
1	Pt100 3-wire	°C	535.0	534.40	-0.60	±20.0	3
1	Pt100 3-wire	°C	745.0	744.31	-0.69	±20.0	3
1	Pt500 IEC	°C	-95.0	-94.917	0.083	±0.95	9
1	Pt500 IEC	°C	115.0	115.169	0.169	±0.95	18
1	Pt500 IEC	°C	325.0	325.237	0.237	±0.95	25
1	Pt500 IEC	°C	535.0	535.261	0.261	±0.95	27
1	Pt500 IEC	°C	745.0	745.306	0.306	±0.95	32
1	Cu50 GOST	°C	-150.0	-149.833	0.167	±0.36	47
1	Cu50 GOST	°C	-80.0	-79.861	0.139	±0.36	39
1	Cu50 GOST	°C	0.0	0.101	0.101	±0.36	28
1	Cu50 GOST	°C	80.0	80.056	0.056	±0.36	15
1	Cu50 GOST	°C	160.0	160.004	0.004	±0.36	1
2	0-5mA	mA	0.5	0.5028	0.0028	±0.005	55
2	0-5mA	mA	1.5	1.5028	0.0028	±0.005	56
2	0-5mA	mA	2.5	2.5033	0.0033	±0.005	66
2	0-5mA	mA	3.5	3.5036	0.0036	±0.005	73
2	0-5mA	mA	4.5	4.5040	0.0040	±0.005	81
2	0-5V	V	0.5	0.5000	0.0000	±0.005	1
2	0-5V	V	1.5	1.5000	0.0000	±0.005	1
2	0-5V	V	2.5	2.5002	0.0002	±0.005	4
2	0-5V	V	3.5	3.5003	0.0003	±0.005	5
2	0-5V	V	4.5	4.5005	0.0005	±0.005	9
2	1-5V	V	1.4	1.4001	0.0001	±0.005	2
2	1-5V	V	2.2	2.2001	0.0001	±0.005	3

Measurement results
Analog input: Slot: 1

Channel	Range	Unit	Nominal Value	Measured value	Deviation	Max allowed deviation	Cond. 1)
2	1-5V	V	3.0	3.0002	0.0002	±0.005	4
2	1-5V	V	3.8	3.8004	0.0004	±0.005	7
2	1-5V	V	4.6	4.6004	0.0004	±0.005	9
2	±150mV	mV	-120.0	-120.0162	-0.0162	±0.271	6
2	±150mV	mV	-60.0	-60.0128	-0.0128	±0.271	5
2	±150mV	mV	0.0	-0.0063	-0.0063	±0.271	2
2	±150mV	mV	60.0	60.0013	0.0013	±0.271	0
2	±150mV	mV	120.0	120.0074	0.0074	±0.271	3
2	±1V	V	-0.8	-0.8001	-0.0001	±0.002	4
2	±1V	V	-0.4	-0.4000	0.0000	±0.002	1
2	±1V	V	0.0	0.0000	0.0000	±0.002	0
2	±1V	V	0.4	0.4000	0.0000	±0.002	2
2	±1V	V	0.8	0.8001	0.0001	±0.002	4
2	±30V	V	-24.0	-24.0017	-0.0017	±0.054	3
2	±30V	V	-12.0	-12.0010	-0.0010	±0.054	2
2	±30V	V	0.0	-0.0001	-0.0001	±0.054	0
2	±30V	V	12.0	12.0008	0.0008	±0.054	2
2	±30V	V	24.0	24.0017	0.0017	±0.054	3
2	TC Typ B	°C	722.0	721.718	-0.282	±2.37	12
2	TC Typ B	°C	966.0	965.810	-0.190	±2.37	8
2	TC Typ B	°C	1210.0	1209.913	-0.087	±2.37	4
2	TC Typ B	°C	1454.0	1453.941	-0.059	±2.37	2
2	TC Typ B	°C	1698.0	1697.908	-0.092	±2.37	4
2	Pt100 IEC	°C	-95.0	-94.979	0.021	±0.95	2
2	Pt100 IEC	°C	115.0	115.032	0.032	±0.95	3
2	Pt100 IEC	°C	325.0	325.031	0.031	±0.95	3
2	Pt100 IEC	°C	535.0	535.043	0.043	±0.95	4
2	Pt100 IEC	°C	745.0	745.046	0.046	±0.95	5
2	Pt100 3-wire	°C	-95.0	-95.19	-0.19	±20.0	1
2	Pt100 3-wire	°C	115.0	114.77	-0.23	±20.0	1
2	Pt100 3-wire	°C	325.0	324.73	-0.27	±20.0	1
2	Pt100 3-wire	°C	535.0	534.66	-0.34	±20.0	2
2	Pt100 3-wire	°C	745.0	744.60	-0.40	±20.0	2
2	Pt500 IEC	°C	-95.0	-94.925	0.075	±0.95	8
2	Pt500 IEC	°C	115.0	115.156	0.156	±0.95	16
2	Pt500 IEC	°C	325.0	325.228	0.228	±0.95	24
2	Pt500 IEC	°C	535.0	535.243	0.243	±0.95	26
2	Pt500 IEC	°C	745.0	745.287	0.287	±0.95	30
2	Cu50 GOST	°C	-150.0	-149.876	0.124	±0.36	34
2	Cu50 GOST	°C	-80.0	-79.928	0.072	±0.36	20
2	Cu50 GOST	°C	0.0	0.061	0.061	±0.36	17
2	Cu50 GOST	°C	80.0	80.015	0.015	±0.36	4
2	Cu50 GOST	°C	160.0	159.948	-0.052	±0.36	15
3	0-5mA	mA	0.5	0.5027	0.0027	±0.005	53
3	0-5mA	mA	1.5	1.5029	0.0029	±0.005	58
3	0-5mA	mA	2.5	2.5033	0.0033	±0.005	66
3	0-5mA	mA	3.5	3.5037	0.0037	±0.005	75
3	0-5mA	mA	4.5	4.5042	0.0042	±0.005	83

Measurement results
Analog input: Slot: 1

Channel	Range	Unit	Nominal Value	Measured value	Deviation	Max allowed deviation	Cond. 1)
3	0-5V	V	0.5	0.5002	0.0002	±0.005	4
3	0-5V	V	1.5	1.5003	0.0003	±0.005	6
3	0-5V	V	2.5	2.5004	0.0004	±0.005	7
3	0-5V	V	3.5	3.5005	0.0005	±0.005	10
3	0-5V	V	4.5	4.5006	0.0006	±0.005	13
3	1-5V	V	1.4	1.4002	0.0002	±0.005	4
3	1-5V	V	2.2	2.2003	0.0003	±0.005	7
3	1-5V	V	3.0	3.0004	0.0004	±0.005	8
3	1-5V	V	3.8	3.8005	0.0005	±0.005	10
3	1-5V	V	4.6	4.6007	0.0007	±0.005	13
3	±150mV	mV	-120.0	-120.0179	-0.0179	±0.271	7
3	±150mV	mV	-60.0	-60.0123	-0.0123	±0.271	5
3	±150mV	mV	0.0	-0.0027	-0.0027	±0.271	1
3	±150mV	mV	60.0	60.0085	0.0085	±0.271	3
3	±150mV	mV	120.0	120.0168	0.0168	±0.271	6
3	±1V	V	-0.8	-0.8001	-0.0001	±0.002	5
3	±1V	V	-0.4	-0.4000	0.0000	±0.002	2
3	±1V	V	0.0	0.0000	0.0000	±0.002	0
3	±1V	V	0.4	0.4001	0.0001	±0.002	3
3	±1V	V	0.8	0.8001	0.0001	±0.002	5
3	±30V	V	-24.0	-24.0019	-0.0019	±0.054	4
3	±30V	V	-12.0	-12.0007	-0.0007	±0.054	1
3	±30V	V	0.0	0.0002	0.0002	±0.054	0
3	±30V	V	12.0	12.0011	0.0011	±0.054	2
3	±30V	V	24.0	24.0021	0.0021	±0.054	4
3	TC Typ B	°C	722.0	722.370	0.370	±2.37	16
3	TC Typ B	°C	966.0	966.321	0.321	±2.37	14
3	TC Typ B	°C	1210.0	1210.315	0.315	±2.37	13
3	TC Typ B	°C	1454.0	1454.328	0.328	±2.37	14
3	TC Typ B	°C	1698.0	1698.374	0.374	±2.37	16
3	Pt100 IEC	°C	-95.0	-94.983	0.017	±0.95	2
3	Pt100 IEC	°C	115.0	115.030	0.030	±0.95	3
3	Pt100 IEC	°C	325.0	325.041	0.041	±0.95	4
3	Pt100 IEC	°C	535.0	535.047	0.047	±0.95	5
3	Pt100 IEC	°C	745.0	745.043	0.043	±0.95	5
3	Pt100 3-wire	°C	-95.0	-95.07	-0.07	±20.0	0
3	Pt100 3-wire	°C	115.0	114.87	-0.13	±20.0	1
3	Pt100 3-wire	°C	325.0	324.83	-0.17	±20.0	1
3	Pt100 3-wire	°C	535.0	534.77	-0.23	±20.0	1
3	Pt100 3-wire	°C	745.0	744.69	-0.31	±20.0	2
3	Pt500 IEC	°C	-95.0	-94.919	0.081	±0.95	9
3	Pt500 IEC	°C	115.0	115.174	0.174	±0.95	18
3	Pt500 IEC	°C	325.0	325.253	0.253	±0.95	27
3	Pt500 IEC	°C	535.0	535.266	0.266	±0.95	28
3	Pt500 IEC	°C	745.0	745.311	0.311	±0.95	33
3	Cu50 GOST	°C	-150.0	-149.898	0.102	±0.36	28
3	Cu50 GOST	°C	-80.0	-79.936	0.064	±0.36	18
3	Cu50 GOST	°C	0.0	0.038	0.038	±0.36	11

Measurement results
Analog input: Slot: 1

Channel	Range	Unit	Nominal Value	Measured value	Deviation	Max allowed deviation	Cond. 1)
3	Cu50 GOST	°C	80.0	79.988	-0.012	±0.36	3
3	Cu50 GOST	°C	160.0	159.933	-0.067	±0.36	19
4	0-5mA	mA	0.5	0.5026	0.0026	±0.005	52
4	0-5mA	mA	1.5	1.5030	0.0030	±0.005	59
4	0-5mA	mA	2.5	2.5033	0.0033	±0.005	65
4	0-5mA	mA	3.5	3.5037	0.0037	±0.005	75
4	0-5mA	mA	4.5	4.5042	0.0042	±0.005	84
4	0-5V	V	0.5	0.4999	-0.0001	±0.005	2
4	0-5V	V	1.5	1.5000	0.0000	±0.005	1
4	0-5V	V	2.5	2.5001	0.0001	±0.005	1
4	0-5V	V	3.5	3.5003	0.0003	±0.005	5
4	0-5V	V	4.5	4.5005	0.0005	±0.005	10
4	1-5V	V	1.4	1.4000	0.0000	±0.005	1
4	1-5V	V	2.2	2.2001	0.0001	±0.005	1
4	1-5V	V	3.0	3.0003	0.0003	±0.005	6
4	1-5V	V	3.8	3.8004	0.0004	±0.005	8
4	1-5V	V	4.6	4.6005	0.0005	±0.005	10
4	±150mV	mV	-120.0	-120.0287	-0.0287	±0.271	11
4	±150mV	mV	-60.0	-60.0203	-0.0203	±0.271	8
4	±150mV	mV	0.0	-0.0085	-0.0085	±0.271	3
4	±150mV	mV	60.0	60.0051	0.0051	±0.271	2
4	±150mV	mV	120.0	120.0163	0.0163	±0.271	6
4	±1V	V	-0.8	-0.8001	-0.0001	±0.002	6
4	±1V	V	-0.4	-0.4000	0.0000	±0.002	2
4	±1V	V	0.0	0.0000	0.0000	±0.002	0
4	±1V	V	0.4	0.4001	0.0001	±0.002	3
4	±1V	V	0.8	0.8001	0.0001	±0.002	6
4	±30V	V	-24.0	-24.0026	-0.0026	±0.054	5
4	±30V	V	-12.0	-12.0013	-0.0013	±0.054	2
4	±30V	V	0.0	-0.0002	-0.0002	±0.054	0
4	±30V	V	12.0	12.0011	0.0011	±0.054	2
4	±30V	V	24.0	24.0025	0.0025	±0.054	5
4	TC Typ B	°C	722.0	721.899	-0.101	±2.37	4
4	TC Typ B	°C	966.0	966.018	0.018	±2.37	1
4	TC Typ B	°C	1210.0	1210.005	0.005	±2.37	0
4	TC Typ B	°C	1454.0	1454.136	0.136	±2.37	6
4	TC Typ B	°C	1698.0	1698.200	0.200	±2.37	8
4	Pt100 IEC	°C	-95.0	-94.995	0.005	±0.95	0
4	Pt100 IEC	°C	115.0	115.006	0.006	±0.95	1
4	Pt100 IEC	°C	325.0	325.016	0.016	±0.95	2
4	Pt100 IEC	°C	535.0	535.026	0.026	±0.95	3
4	Pt100 IEC	°C	745.0	745.026	0.026	±0.95	3
4	Pt100 3-wire	°C	-95.0	-95.52	-0.52	±20.0	3
4	Pt100 3-wire	°C	115.0	114.41	-0.59	±20.0	3
4	Pt100 3-wire	°C	325.0	324.35	-0.65	±20.0	3
4	Pt100 3-wire	°C	535.0	534.27	-0.73	±20.0	4
4	Pt100 3-wire	°C	745.0	744.17	-0.83	±20.0	4
4	Pt500 IEC	°C	-95.0	-94.929	0.071	±0.95	7

Measurement results
Analog input: Slot: 1

Channel	Range	Unit	Nominal Value	Measured value	Deviation	Max allowed deviation	Cond. 1)
4	Pt500 IEC	°C	115.0	115.155	0.155	±0.95	16
4	Pt500 IEC	°C	325.0	325.224	0.224	±0.95	24
4	Pt500 IEC	°C	535.0	535.243	0.243	±0.95	26
4	Pt500 IEC	°C	745.0	745.292	0.292	±0.95	31

4	Cu50 GOST	°C	-150.0	-149.912	0.088	±0.36	24
4	Cu50 GOST	°C	-80.0	-79.947	0.053	±0.36	15
4	Cu50 GOST	°C	0.0	0.009	0.009	±0.36	3
4	Cu50 GOST	°C	80.0	79.942	-0.058	±0.36	16
4	Cu50 GOST	°C	160.0	159.913	-0.087	±0.36	24

Analog input: Slot: 2

Channel	Range	Unit	Nominal Value	Measured value	Deviation	Max allowed deviation	Cond. 1)
---------	-------	------	---------------	----------------	-----------	-----------------------	----------

5	0-5mA	mA	0.5	0.5024	0.0024	±0.005	49
5	0-5mA	mA	1.5	1.5027	0.0027	±0.005	54
5	0-5mA	mA	2.5	2.5030	0.0030	±0.005	60
5	0-5mA	mA	3.5	3.5035	0.0035	±0.005	70
5	0-5mA	mA	4.5	4.5037	0.0037	±0.005	75

5	0-5V	V	0.5	0.5001	0.0001	±0.005	2
5	0-5V	V	1.5	1.5002	0.0002	±0.005	3
5	0-5V	V	2.5	2.5003	0.0003	±0.005	5
5	0-5V	V	3.5	3.5004	0.0004	±0.005	8
5	0-5V	V	4.5	4.5006	0.0006	±0.005	12

5	1-5V	V	1.4	1.4003	0.0003	±0.005	5
5	1-5V	V	2.2	2.2003	0.0003	±0.005	6
5	1-5V	V	3.0	3.0003	0.0003	±0.005	5
5	1-5V	V	3.8	3.8004	0.0004	±0.005	9
5	1-5V	V	4.6	4.6005	0.0005	±0.005	11

5	±150mV	mV	-120.0	-120.0118	-0.0118	±0.271	4
5	±150mV	mV	-60.0	-60.0107	-0.0107	±0.271	4
5	±150mV	mV	0.0	-0.0035	-0.0035	±0.271	1
5	±150mV	mV	60.0	60.0040	0.0040	±0.271	1
5	±150mV	mV	120.0	120.0122	0.0122	±0.271	4

5	±1V	V	-0.8	-0.8001	-0.0001	±0.002	3
5	±1V	V	-0.4	-0.4000	0.0000	±0.002	1
5	±1V	V	0.0	0.0000	0.0000	±0.002	0
5	±1V	V	0.4	0.4000	0.0000	±0.002	2
5	±1V	V	0.8	0.8001	0.0001	±0.002	4

5	±30V	V	-24.0	-24.0012	-0.0012	±0.054	2
5	±30V	V	-12.0	-12.0007	-0.0007	±0.054	1
5	±30V	V	0.0	0.0002	0.0002	±0.054	0
5	±30V	V	12.0	12.0008	0.0008	±0.054	1
5	±30V	V	24.0	24.0017	0.0017	±0.054	3

5	TC Typ B	°C	722.0	722.126	0.126	±2.37	5
5	TC Typ B	°C	966.0	966.174	0.174	±2.37	7
5	TC Typ B	°C	1210.0	1210.093	0.093	±2.37	4
5	TC Typ B	°C	1454.0	1454.201	0.201	±2.37	8
5	TC Typ B	°C	1698.0	1698.160	0.160	±2.37	7

Measurement results

Analog input: Slot: 2

Channel	Range	Unit	Nominal Value	Measured value	Deviation	Max allowed deviation	Cond. 1)
5	Pt100 IEC	°C	-95.0	-94.973	0.027	±0.95	3
5	Pt100 IEC	°C	115.0	115.035	0.035	±0.95	4
5	Pt100 IEC	°C	325.0	325.042	0.042	±0.95	4
5	Pt100 IEC	°C	535.0	535.051	0.051	±0.95	5
5	Pt100 IEC	°C	745.0	745.058	0.058	±0.95	6
5	Pt100 3-wire	°C	-95.0	-95.32	-0.32	±20.0	2
5	Pt100 3-wire	°C	115.0	114.62	-0.38	±20.0	2
5	Pt100 3-wire	°C	325.0	324.57	-0.43	±20.0	2
5	Pt100 3-wire	°C	535.0	534.49	-0.51	±20.0	3
5	Pt100 3-wire	°C	745.0	744.42	-0.58	±20.0	3
5	Pt500 IEC	°C	-95.0	-94.920	0.080	±0.95	8
5	Pt500 IEC	°C	115.0	115.160	0.160	±0.95	17
5	Pt500 IEC	°C	325.0	325.227	0.227	±0.95	24
5	Pt500 IEC	°C	535.0	535.245	0.245	±0.95	26
5	Pt500 IEC	°C	745.0	745.292	0.292	±0.95	31
5	Cu50 GOST	°C	-150.0	-149.867	0.133	±0.36	37
5	Cu50 GOST	°C	-80.0	-79.906	0.094	±0.36	26
5	Cu50 GOST	°C	0.0	0.058	0.058	±0.36	16
5	Cu50 GOST	°C	80.0	80.006	0.006	±0.36	2
5	Cu50 GOST	°C	160.0	159.970	-0.030	±0.36	8
6	0-5mA	mA	0.5	0.5026	0.0026	±0.005	51
6	0-5mA	mA	1.5	1.5028	0.0028	±0.005	56
6	0-5mA	mA	2.5	2.5031	0.0031	±0.005	63
6	0-5mA	mA	3.5	3.5035	0.0035	±0.005	71
6	0-5mA	mA	4.5	4.5039	0.0039	±0.005	77
6	0-5V	V	0.5	0.5001	0.0001	±0.005	2
6	0-5V	V	1.5	1.5001	0.0001	±0.005	2
6	0-5V	V	2.5	2.5001	0.0001	±0.005	2
6	0-5V	V	3.5	3.5003	0.0003	±0.005	6
6	0-5V	V	4.5	4.5004	0.0004	±0.005	8
6	1-5V	V	1.4	1.4001	0.0001	±0.005	3
6	1-5V	V	2.2	2.2001	0.0001	±0.005	1
6	1-5V	V	3.0	3.0002	0.0002	±0.005	4
6	1-5V	V	3.8	3.8003	0.0003	±0.005	6
6	1-5V	V	4.6	4.6004	0.0004	±0.005	8
6	±150mV	mV	-120.0	-120.0138	-0.0138	±0.271	5
6	±150mV	mV	-60.0	-60.0125	-0.0125	±0.271	5
6	±150mV	mV	0.0	-0.0062	-0.0062	±0.271	2
6	±150mV	mV	60.0	60.0035	0.0035	±0.271	1
6	±150mV	mV	120.0	120.0096	0.0096	±0.271	4
6	±1V	V	-0.8	-0.8001	-0.0001	±0.002	3
6	±1V	V	-0.4	-0.4000	0.0000	±0.002	1
6	±1V	V	0.0	0.0000	0.0000	±0.002	0
6	±1V	V	0.4	0.4000	0.0000	±0.002	2
6	±1V	V	0.8	0.8001	0.0001	±0.002	3
6	±30V	V	-24.0	-24.0012	-0.0012	±0.054	2
6	±30V	V	-12.0	-12.0006	-0.0006	±0.054	1
6	±30V	V	0.0	0.0001	0.0001	±0.054	0

Measurement results
Analog input: Slot: 2

Channel	Range	Unit	Nominal Value	Measured value	Deviation	Max allowed deviation	Cond. 1)
6	+30V	V	12.0	12.0008	0.0008	±0.054	1
6	+30V	V	24.0	24.0012	0.0012	±0.054	2
6	TC Typ B	°C	722.0	722.225	0.225	±2.37	10
6	TC Typ B	°C	966.0	966.232	0.232	±2.37	10
6	TC Typ B	°C	1210.0	1210.170	0.170	±2.37	7
6	TC Typ B	°C	1454.0	1454.203	0.203	±2.37	9
6	TC Typ B	°C	1698.0	1698.164	0.164	±2.37	7
6	Pt100 IEC	°C	-95.0	-94.958	0.042	±0.95	4
6	Pt100 IEC	°C	115.0	115.058	0.058	±0.95	6
6	Pt100 IEC	°C	325.0	325.065	0.065	±0.95	7
6	Pt100 IEC	°C	535.0	535.070	0.070	±0.95	7
6	Pt100 IEC	°C	745.0	745.072	0.072	±0.95	8
6	Pt100 3-wire	°C	-95.0	-96.17	-1.17	±20.0	6
6	Pt100 3-wire	°C	115.0	113.72	-1.28	±20.0	6
6	Pt100 3-wire	°C	325.0	323.61	-1.39	±20.0	7
6	Pt100 3-wire	°C	535.0	533.47	-1.53	±20.0	8
6	Pt100 3-wire	°C	745.0	743.30	-1.70	±20.0	8
6	Pt500 IEC	°C	-95.0	-94.922	0.078	±0.95	8
6	Pt500 IEC	°C	115.0	115.154	0.154	±0.95	16
6	Pt500 IEC	°C	325.0	325.221	0.221	±0.95	23
6	Pt500 IEC	°C	535.0	535.239	0.239	±0.95	25
6	Pt500 IEC	°C	745.0	745.278	0.278	±0.95	29
6	Cu50 GOST	°C	-150.0	-149.846	0.154	±0.36	43
6	Cu50 GOST	°C	-80.0	-79.878	0.122	±0.36	34
6	Cu50 GOST	°C	0.0	0.093	0.093	±0.36	26
6	Cu50 GOST	°C	80.0	80.034	0.034	±0.36	9
6	Cu50 GOST	°C	160.0	159.989	-0.011	±0.36	3
7	0-5mA	mA	0.5	0.5024	0.0024	±0.005	48
7	0-5mA	mA	1.5	1.5026	0.0026	±0.005	52
7	0-5mA	mA	2.5	2.5030	0.0030	±0.005	60
7	0-5mA	mA	3.5	3.5035	0.0035	±0.005	69
7	0-5mA	mA	4.5	4.5037	0.0037	±0.005	73
7	0-5V	V	0.5	0.5006	0.0006	±0.005	13
7	0-5V	V	1.5	1.5007	0.0007	±0.005	14
7	0-5V	V	2.5	2.5007	0.0007	±0.005	15
7	0-5V	V	3.5	3.5010	0.0010	±0.005	19
7	0-5V	V	4.5	4.5010	0.0010	±0.005	20
7	1-5V	V	1.4	1.4007	0.0007	±0.005	14
7	1-5V	V	2.2	2.2007	0.0007	±0.005	14
7	1-5V	V	3.0	3.0008	0.0008	±0.005	15
7	1-5V	V	3.8	3.8008	0.0008	±0.005	16
7	1-5V	V	4.6	4.6011	0.0011	±0.005	22
7	+150mV	mV	-120.0	-120.0163	-0.0163	±0.271	6
7	+150mV	mV	-60.0	-60.0136	-0.0136	±0.271	5
7	+150mV	mV	0.0	-0.0062	-0.0062	±0.271	2
7	+150mV	mV	60.0	60.0051	0.0051	±0.271	2
7	+150mV	mV	120.0	120.0132	0.0132	±0.271	5
7	+1V	V	-0.8	-0.8001	-0.0001	±0.002	3

Measurement results
Analog input: Slot: 2

Channel	Range	Unit	Nominal Value	Measured value	Deviation	Max allowed deviation	Cond. 1)
7	+1V	V	-0.4	-0.4000	0.0000	±0.002	0
7	+1V	V	0.0	0.0000	0.0000	±0.002	1
7	+1V	V	0.4	0.4001	0.0001	±0.002	3
7	+1V	V	0.8	0.8001	0.0001	±0.002	5
7	+30V	V	-24.0	-24.0014	-0.0014	±0.054	3
7	+30V	V	-12.0	-12.0002	-0.0002	±0.054	0
7	+30V	V	0.0	0.0006	0.0006	±0.054	1
7	+30V	V	12.0	12.0013	0.0013	±0.054	2
7	+30V	V	24.0	24.0021	0.0021	±0.054	4
7	TC Typ B	°C	722.0	722.302	0.302	±2.37	13
7	TC Typ B	°C	966.0	966.263	0.263	±2.37	11
7	TC Typ B	°C	1210.0	1210.256	0.256	±2.37	11
7	TC Typ B	°C	1454.0	1454.254	0.254	±2.37	11
7	TC Typ B	°C	1698.0	1698.336	0.336	±2.37	14
7	Pt100 IEC	°C	-95.0	-95.028	-0.028	±0.95	3
7	Pt100 IEC	°C	115.0	114.984	-0.016	±0.95	2
7	Pt100 IEC	°C	325.0	324.981	-0.019	±0.95	2
7	Pt100 IEC	°C	535.0	534.978	-0.022	±0.95	2
7	Pt100 IEC	°C	745.0	744.961	-0.039	±0.95	4
7	Pt100 3-wire	°C	-95.0	-94.95	0.05	±20.0	0
7	Pt100 3-wire	°C	115.0	115.00	0.00	±20.0	0
7	Pt100 3-wire	°C	325.0	324.95	-0.05	±20.0	0
7	Pt100 3-wire	°C	535.0	534.89	-0.11	±20.0	1
7	Pt100 3-wire	°C	745.0	744.84	-0.16	±20.0	1
7	Pt500 IEC	°C	-95.0	-94.920	0.080	±0.95	8
7	Pt500 IEC	°C	115.0	115.170	0.170	±0.95	18
7	Pt500 IEC	°C	325.0	325.237	0.237	±0.95	25
7	Pt500 IEC	°C	535.0	535.250	0.250	±0.95	26
7	Pt500 IEC	°C	745.0	745.294	0.294	±0.95	31
7	Cu50 GOST	°C	-150.0	-149.976	0.024	±0.36	7
7	Cu50 GOST	°C	-80.0	-80.025	-0.025	±0.36	7
7	Cu50 GOST	°C	0.0	-0.062	-0.062	±0.36	17
7	Cu50 GOST	°C	80.0	79.885	-0.115	±0.36	32
7	Cu50 GOST	°C	160.0	159.870	-0.130	±0.36	36
8	0-5mA	mA	0.5	0.5027	0.0027	±0.005	53
8	0-5mA	mA	1.5	1.5030	0.0030	±0.005	59
8	0-5mA	mA	2.5	2.5033	0.0033	±0.005	65
8	0-5mA	mA	3.5	3.5036	0.0036	±0.005	72
8	0-5mA	mA	4.5	4.5038	0.0038	±0.005	77
8	0-5V	V	0.5	0.4999	-0.0001	±0.005	1
8	0-5V	V	1.5	1.4999	-0.0001	±0.005	1
8	0-5V	V	2.5	2.5001	0.0001	±0.005	3
8	0-5V	V	3.5	3.5003	0.0003	±0.005	5
8	0-5V	V	4.5	4.5004	0.0004	±0.005	8
8	1-5V	V	1.4	1.4000	0.0000	±0.005	0
8	1-5V	V	2.2	2.2001	0.0001	±0.005	1
8	1-5V	V	3.0	3.0001	0.0001	±0.005	1
8	1-5V	V	3.8	3.8003	0.0003	±0.005	6
8	1-5V	V	4.6	4.6005	0.0005	±0.005	10

Measurement results
Analog input: Slot: 2

Channel	Range	Unit	Nominal Value	Measured value	Deviation	Max allowed deviation	Cond. 1)
8	+/-150mV	mV	-120.0	-120.0223	-0.0223	±0.271	8
8	+/-150mV	mV	-60.0	-60.0173	-0.0173	±0.271	6
8	+/-150mV	mV	0.0	-0.0063	-0.0063	±0.271	2
8	+/-150mV	mV	60.0	60.0072	0.0072	±0.271	3
8	+/-150mV	mV	120.0	120.0176	0.0176	±0.271	7
8	+/-1V	V	-0.8	-0.8001	-0.0001	±0.002	5
8	+/-1V	V	-0.4	-0.4000	0.0000	±0.002	1
8	+/-1V	V	0.0	0.0000	0.0000	±0.002	0
8	+/-1V	V	0.4	0.4001	0.0001	±0.002	3
8	+/-1V	V	0.8	0.8001	0.0001	±0.002	5
8	+/-30V	V	-24.0	-24.0018	-0.0018	±0.054	3
8	+/-30V	V	-12.0	-12.0009	-0.0009	±0.054	2
8	+/-30V	V	0.0	-0.0001	-0.0001	±0.054	0
8	+/-30V	V	12.0	12.0011	0.0011	±0.054	2
8	+/-30V	V	24.0	24.0020	0.0020	±0.054	4
8	TC Typ B	°C	722.0	722.343	0.343	±2.37	14
8	TC Typ B	°C	966.0	966.291	0.291	±2.37	12
8	TC Typ B	°C	1210.0	1210.300	0.300	±2.37	13
8	TC Typ B	°C	1454.0	1454.315	0.315	±2.37	13
8	TC Typ B	°C	1698.0	1698.356	0.356	±2.37	15
8	Pt100 IEC	°C	-95.0	-95.007	-0.007	±0.95	1
8	Pt100 IEC	°C	115.0	114.998	-0.002	±0.95	0
8	Pt100 IEC	°C	325.0	325.005	0.005	±0.95	1
8	Pt100 IEC	°C	535.0	535.018	0.018	±0.95	2
8	Pt100 IEC	°C	745.0	745.008	0.008	±0.95	1
8	Pt100 3-wire	°C	-95.0	-95.04	-0.04	±20.0	0
8	Pt100 3-wire	°C	115.0	114.93	-0.07	±20.0	0
8	Pt100 3-wire	°C	325.0	324.88	-0.12	±20.0	1
8	Pt100 3-wire	°C	535.0	534.84	-0.16	±20.0	1
8	Pt100 3-wire	°C	745.0	744.78	-0.22	±20.0	1
8	Pt500 IEC	°C	-95.0	-94.931	0.069	±0.95	7
8	Pt500 IEC	°C	115.0	115.155	0.155	±0.95	16
8	Pt500 IEC	°C	325.0	325.219	0.219	±0.95	23
8	Pt500 IEC	°C	535.0	535.233	0.233	±0.95	25
8	Pt500 IEC	°C	745.0	745.277	0.277	±0.95	29
8	Cu50 GOST	°C	-150.0	-149.923	0.077	±0.36	22
8	Cu50 GOST	°C	-80.0	-79.956	0.044	±0.36	12
8	Cu50 GOST	°C	0.0	-0.006	-0.006	±0.36	2
8	Cu50 GOST	°C	80.0	79.937	-0.063	±0.36	18
8	Cu50 GOST	°C	160.0	159.912	-0.088	±0.36	24

The test unit has been calibrated and complies with the tolerances stated by manufacturer. This report has been created automatically and is valid without a signature.

1) The column "cond." means the ratio of permissible deviation to measured value in percent.