



Druck

CALIBRATION CERTIFICATE **POSITIVE PRESSURE RANGE**

PAGE 1 of 10

UNIT UNDER TEST (UUT)

Manufacturer : Druck
Type Number : DPI 610
Serial Number : 61023809
Sales Order Number : A17180-1
Parameter Range : -1 to 20 bar g
Calibration Date : 07 November 2007
Calibrated By : K Machin

CALIBRATOR INFORMATION

1. Calibration Instrument : 7250X1
Serial Number : 60731
(*1) Calibrated Against : UKAS 0221
Pressure Medium : Air

AMBIENT CONDITIONS

Ambient Temperature (°C) : 23.22

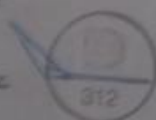
PERFORMANCE DATA

Actual Applied Value bar	Unit Under Test Reading bar (*2)	Unit Under Test Deviation (*3)	Permissible Deviation (*4)
0.001	0.000	-0.005 % fs	± 0.025 % fs
1.999	4.000	+0.005 % fs	± 0.025 % fs
8.000	7.999	-0.005 % fs	± 0.025 % fs
12.002	12.001	-0.005 % fs	± 0.025 % fs
16.006	16.004	-0.010 % fs	± 0.025 % fs
20.007	20.007	+0.000 % fs	± 0.025 % fs
16.006	16.004	-0.010 % fs	± 0.025 % fs
12.002	12.001	-0.005 % fs	± 0.025 % fs
8.000	7.998	-0.010 % fs	± 0.025 % fs
1.999	3.999	+0.000 % fs	± 0.025 % fs
0.000	0.000	+0.000 % fs	± 0.025 % fs

COMMENTS

Where fs = 20 bar

Certified by:



Date: 23 NOV 2007

NOTES

- (*1) Traceable to relevant International Standards (including NIST).
- (*2) Actual rounded values. For specification, see Permissible Deviation column.
- (*3) Deviation calculated from UUT Reading minus Actual Applied Value.
- (*4) See Uncertainty, Hysteresis and repeatability.

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01411 711107



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Druck

CALIBRATION CERTIFICATE
NEGATIVE PRESSURE RANGE

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UNIT UNDER TEST (UIT)

Manufacturer : Druck
Type Number : DPI 610
Serial Number : 61023809
Sales Order Number : A17180-1
Parameter Range : -1 to 20 bar g
Calibration Date : 07 November 2007
Calibrated By : K Machin

CALIBRATOR INFORMATION

1. Calibration Instrument : 7250XI
Serial Number : 60731
(*1) Calibrated Against : UKAS 0221
Pressure Medium : Air

AMBIENT CONDITIONS

Ambient Temperature (°C) : 23.24

PERFORMANCE DATA

Actual Applied Value bar	Unit Under Test Reading bar (*2)	Unit Under Test Deviation (*3)	Permissible Deviation (*4)
0.001	0.001	+0.000 % cr	± 0.025 % cr
-0.249	-0.250	-0.005 % cr	± 0.025 % cr
-0.500	-0.501	-0.005 % cr	± 0.025 % cr
-0.750	-0.750	+0.000 % cr	± 0.025 % cr
-0.900	-0.899	+0.005 % cr	± 0.025 % cr
-0.750	-0.750	+0.000 % cr	± 0.025 % cr
-0.500	-0.501	-0.005 % cr	± 0.025 % cr
-0.249	-0.250	-0.005 % cr	± 0.025 % cr
0.001	0.001	+0.000 % cr	± 0.025 % cr

COMMENTS

Where cr = 21 bar

Certified by



Date: 23 NOV 2007

NOTES

- (*1) Traceable to relevant International Standards (including NIST).
(*2) Actual recorded values. For specification, see Permissible Deviation column.
(*3) Deviation calculated from UIT Reading minus Actual Applied Value.
(*4) Non-linearity, hysteresis and repeatability.

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PS412 V1.07



GE Druck

CALIBRATION CERTIFICATE VOLTAGE RANGE

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UNIT UNDER TEST (UUT)

Manufacturer : Druck
Type Number : DPI 610
Serial Number : 61023809
Sales Order Number : A17180-1
Parameter Range : 0 to 5 Volts
Calibration Date : 07 November 2007
Calibrated By : K Machin

CALIBRATOR INFORMATION

1. Calibration Instrument : Model 521
Serial Number : 17977
(*) Calibrated Against : UKAS Lab 0221

AMBIENT CONDITIONS

Ambient Temperature (°C) : 23.44

PERFORMANCE DATA

Actual Applied Value Volts	Unit Under Test Reading Volts (*)	Unit Under Test Deviation (**)	Permissible Deviation (±0.050 % rdg ±0.004 % fs)(*)
-5.0000	-5.0000	+0.0000 Volts	± 0.0027 Volts
-4.0000	-4.0001	-0.0001 Volts	± 0.0022 Volts
-3.0000	-3.0001	-0.0001 Volts	± 0.0017 Volts
-2.0000	-2.0001	-0.0001 Volts	± 0.0012 Volts
-1.0000	-1.0000	+0.0000 Volts	± 0.0007 Volts
0.0000	0.0000	+0.0000 Volts	± 0.0002 Volts
1.0000	1.0000	+0.0000 Volts	± 0.0007 Volts
2.0000	2.0000	+0.0000 Volts	± 0.0012 Volts
3.0000	3.0000	+0.0000 Volts	± 0.0017 Volts
4.0000	4.0001	+0.0001 Volts	± 0.0022 Volts
5.0000	5.0001	+0.0001 Volts	± 0.0027 Volts

COMMENTS

Where fs = 5 Volts

Certified by



Date: 23 NOV 2007

NOTES

- (*)1 Traceable to relevant International Standards (including NIST)
(*)2 Actual recorded values. For specification, see Permissible Deviation column.
(*)3 Deviation calculated from UUT Reading minus Actual Applied Value.
(*)4 Non linearity, hysteresis and repeatability.

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GE Druck

CALIBRATION CERTIFICATE **VOLTAGE RANGE**

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UNIT UNDER TEST (UUT)

Manufacturer : Druck
Type Number : DPI 610
Serial Number : 61023809
Sales Order Number : A17180-1
Parameter Range : 0 to 50 Volts
Calibration Date : 07 November 2007
Calibrated By : K Machin

CALIBRATOR INFORMATION

1. Calibration Instrument : Model 521
Serial Number : 17977
(*?) Calibrated Against : UKAS Lab 0221

AMBIENT CONDITIONS

Ambient Temperature (°C) : 23.46

PERFORMANCE DATA

Actual Applied Value Volts	Unit Under Test Reading Volts (*2)	Unit Under Test Deviation (*2)	Permissible Deviation ($\pm 0.050\% \text{ rdg} \pm 0.004\% \text{ fs}^{(*)4}$)
-50.000	-50.000	+0.000 Volts	± 0.027 Volts
-40.000	-40.001	-0.001 Volts	± 0.022 Volts
-30.000	-30.001	-0.001 Volts	± 0.017 Volts
-20.000	-20.000	+0.000 Volts	± 0.012 Volts
-10.000	-10.000	+0.000 Volts	± 0.007 Volts
0.000	0.000	+0.000 Volts	± 0.002 Volts
10.000	10.000	+0.000 Volts	± 0.007 Volts
20.000	20.000	+0.000 Volts	± 0.012 Volts
30.000	30.000	+0.000 Volts	± 0.017 Volts
40.000	40.001	+0.001 Volts	± 0.022 Volts
50.000	50.000	+0.000 Volts	± 0.027 Volts

COMMENTS

Where fs = 50 Volts

Certified by:



Date: 23 NOV 2007

NOTES

- (*)1 Traceable to relevant International Standards (including NIST).
(*)2 Actual recorded values. For specification, see Permissible Deviation column.
(*)3 Deviation calculated from UUT Reading minus Actual Applied Value.
(*)4 Non linearity, hysteresis and repeatability.

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GE Druck

CALIBRATION CERTIFICATE **CURRENT RANGE**

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UNIT UNDER TEST (UUT)

Manufacturer : Druck
Type Number : DPI 610
Serial Number : 61023809
Sales Order Number : A17180-1
Parameter Range : 0 to 55 mAmps
Calibration Date : 07 November 2007
Calibrated By : K Machin

CALIBRATOR INFORMATION

1. Calibration Instrument : Model 521
Serial Number : 17977
(*1) Calibrated Against : UKAS Lab 0221

AMBIENT CONDITIONS

Ambient Temperature (°C) : 23.4

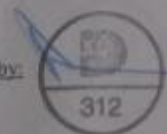
PERFORMANCE DATA

Actual Applied Value mAmps	Unit Under Test Reading mAmps (*2)	Unit Under Test Deviation (*3)	Permissible Deviation (±0.050 % rdg ±0.004 % fs)(*4)
-55.000	-54.999	+0.001 mAmps	± 0.030 mAmps
-45.000	-44.999	+0.001 mAmps	± 0.025 mAmps
-35.000	-34.999	+0.001 mAmps	± 0.020 mAmps
-25.000	-24.998	+0.002 mAmps	± 0.015 mAmps
-15.000	-15.000	+0.000 mAmps	± 0.010 mAmps
-5.000	-4.999	+0.001 mAmps	± 0.005 mAmps
0.000	0.001	+0.001 mAmps	± 0.002 mAmps
5.000	5.000	+0.000 mAmps	± 0.005 mAmps
15.000	15.000	+0.000 mAmps	± 0.010 mAmps
25.000	25.000	+0.000 mAmps	± 0.015 mAmps
35.000	35.000	+0.000 mAmps	± 0.020 mAmps
45.000	44.999	-0.001 mAmps	± 0.025 mAmps
55.000	55.000	+0.000 mAmps	± 0.030 mAmps

COMMENTS

Where fs = 55 mAmps

Certified by:



Date: 23 NOV 2007

NOTES

- (*1) Traceable to relevant International Standards (including NIST).
- (*2) Actual recorded values. For specification, see Permissible Deviation column.
- (*3) Deviation calculated from UUT Reading minus Actual Applied Value.
- (*4) Non linearity, hysteresis and repeatability.

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GE Druck

CALIBRATION CERTIFICATE CURRENT SOURCE

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UNIT UNDER TEST (UUT)

Manufacturer : Druck
Type Number : DPI 610
Serial Number : 61023809
Sales Order Number : A17180-1
Parameter Range : 0 to 24 mAmps
Calibration Date : 07 November 2007
Calibrated By : K Machin

CALIBRATOR INFORMATION

1. Calibration Instrument : DMM 34401A
Serial Number : DMM047
(*1) Calibrated Against : Druck Std. Lab.

AMBIENT CONDITIONS

Ambient Temperature (°C) : 23.24

PERFORMANCE DATA

Actual Applied Value mAmps	Unit Under Test Reading mAmps (*2)	Unit Under Test Deviation (*3)	Permissible Deviation ($\pm 0.050\% \text{ rdg}$ $\pm 0.010\% \text{ fs}$ (*4))
0.000	0.000	+0.000 mAmps	± 0.002 mAmps
5.000	5.000	+0.000 mAmps	± 0.005 mAmps
10.000	10.000	+0.000 mAmps	± 0.007 mAmps
15.000	15.000	+0.000 mAmps	± 0.010 mAmps
20.000	19.999	-0.001 mAmps	± 0.012 mAmps
24.000	23.999	-0.001 mAmps	± 0.014 mAmps
20.000	19.999	-0.001 mAmps	± 0.012 mAmps
15.000	14.999	-0.001 mAmps	± 0.010 mAmps
10.000	9.999	-0.001 mAmps	± 0.007 mAmps
5.000	4.999	-0.001 mAmps	± 0.005 mAmps
0.000	0.000	+0.000 mAmps	± 0.002 mAmps

COMMENTS

Where fs = 24 mAmps

Certified by:



Date: 23 NOV 2007

NOTES

- (*1) Traceable to relevant International Standards (including NIST).
(*2) Actual recorded values. For specification, see Permissible Deviation column.
(*3) Deviation calculated from UUT Reading minus Actual Applied Value.
(*4) Non linearity, hysteresis and repeatability.

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GE Druck

CALIBRATION CERTIFICATE
POSITIVE PRESSURE RANGE

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UNIT UNDER TEST (UUT)

Manufacturer : Druck
Type Number : DPI 610
Serial Number : 61023809
Sales Order Number : A17180-1
Parameter Range : -1 to 20 bar g
Calibration Date : 08 November 2007
Calibrated By : k mACHIN
External Sensor Serial No. : 2628308

CALIBRATOR INFORMATION

1. Calibration Instrument : 725003
Serial Number : 60771
(*): Calibrated Against : UKAS 9221
Pressure Medium : Air

AMBIENT CONDITIONS

Ambient Temperature (°C) : 22.86

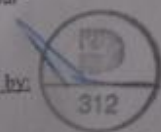
PERFORMANCE DATA

Actual Applied Value bar	Unit Under Test Reading bar (*2)	Unit Under Test Deviation (*3)	Permissible Deviation (*4)
-0.001	0.000	+0.005 % fs	± 0.025 % fs
4.000	4.000	+0.000 % fs	± 0.025 % fs
7.999	7.999	+0.000 % fs	± 0.025 % fs
12.001	12.001	+0.000 % fs	± 0.025 % fs
16.005	16.005	+0.000 % fs	± 0.025 % fs
20.007	20.007	+0.000 % fs	± 0.025 % fs
16.006	16.006	+0.000 % fs	± 0.025 % fs
12.003	12.002	-0.005 % fs	± 0.025 % fs
8.000	7.999	-0.005 % fs	± 0.025 % fs
3.999	3.999	+0.000 % fs	± 0.025 % fs
0.000	0.000	+0.000 % fs	± 0.025 % fs

COMMENTS

Where fs = 20 bar

Certified by:



Date: 23 NOV 2007

NOTES

- (*1) Traceable to relevant International Standards (including NIST).
(*2) Actual recorded values. For specification, see Permissible Deviation column.
(*3) Deviation calculated from UUT Reading minus Actual Applied Value.
(*4) Non linearity, hysteresis and repeatability.

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GE Druck

CALIBRATION CERTIFICATE
NEGATIVE PRESSURE RANGE

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UNIT UNDER TEST (UUT)

Manufacturer : Druck
Type Number : DPI 610
Serial Number : 61023809
Sales Order Number : A17180-1
Parameter Range : .1 to 20 bar g
Calibration Date : 08 November 2007
Calibrated By : k mACHIN
External Sensor Serial No. : 2628308

CALIBRATOR INFORMATION

1. Calibration Instrument : 7250XI
Serial Number : 60731
(*1) Calibrated Against : UKAS 0221
Pressure Medium : Air

AMBIENT CONDITIONS

Ambient Temperature (°C) : 22.86

PERFORMANCE DATA

Actual Applied Value bar	Unit Under Test Reading bar (*2)	Unit Under Test Deviation (*3)	Permissible Deviation (*4)
-0.001	0.000	-0.005 % cr	± 0.025 % cr
-0.250	-0.250	+0.000 % cr	± 0.025 % cr
-0.500	-0.500	+0.000 % cr	± 0.025 % cr
-0.750	-0.750	+0.000 % cr	± 0.025 % cr
-0.900	-0.900	+0.000 % cr	± 0.025 % cr
-0.751	-0.751	+0.000 % cr	± 0.025 % cr
-0.500	-0.500	+0.000 % cr	± 0.025 % cr
-0.251	-0.250	+0.005 % cr	± 0.025 % cr
0.000	0.000	+0.000 % cr	± 0.025 % cr

COMMENTS

Where cr = 21 bar

Certified by:



Date: 23 NOV 2007

NOTES

- (*1) Traceable to relevant International Standards (including NIST).
(*2) Actual recorded values. For specifications, see Permissible Deviation column.
(*3) Deviation calculated from UUT Reading minus Actual Applied Value.
(*4) Non linearity, hysteresis and repeatability.

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GE Druck

CALIBRATION CERTIFICATE
POSITIVE PRESSURE RANGE

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UNIT UNDER TEST (UUT)

Manufacturer : Druck
Type Number : DPI 610
Serial Number : 61023809
Sales Order Number : A17180-1
Parameter Range : -1 to 70 bar g
Calibration Date : 23 November 2007
Calibrated By : A. Jordan
External Sensor Serial No. : 2652633

CALIBRATOR INFORMATION

1. Calibration Instrument : T2700/3S
Serial Number : 11745-99
(*1) Calibrated Against : NPL/NIST
Pressure Medium : Air
Uncertainty : $\pm 0.015\%$ reading

AMBIENT CONDITIONS

Ambient Temperature (°C) : 22.5

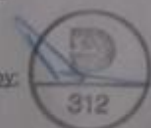
PERFORMANCE DATA

Actual Applied Value bar	Unit Under Test Reading bar (*2)	Unit Under Test Deviation (*3)	Permissible Deviation (*4)
0.000	0.000	+0.000 % fs	$\pm 0.025\%$ fs
14.007	14.004	-0.004 % fs	$\pm 0.025\%$ fs
28.014	28.012	-0.003 % fs	$\pm 0.025\%$ fs
41.987	41.984	-0.004 % fs	$\pm 0.025\%$ fs
55.994	55.990	-0.006 % fs	$\pm 0.025\%$ fs
70.001	70.000	-0.001 % fs	$\pm 0.025\%$ fs
55.994	55.994	+0.000 % fs	$\pm 0.025\%$ fs
41.987	41.988	+0.001 % fs	$\pm 0.025\%$ fs
28.014	28.016	+0.003 % fs	$\pm 0.025\%$ fs
14.007	14.007	+0.000 % fs	$\pm 0.025\%$ fs
0.000	0.002	+0.003 % fs	$\pm 0.025\%$ fs

COMMENTS

Where fs = 70 bar

Certified by:



Date: 23 NOV 2007

NOTES

(*1) Traceable to relevant International Standards (including NIST).

(*2) Actual recorded values. For specification, see Permissible Deviation column.

(*3) Deviation calculated from UUT Reading minus Actual Applied Value.

(*4) Non-linearity, hysteresis and repeatability.

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GE Druck

CALIBRATION CERTIFICATE NEGATIVE PRESSURE RANGE

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UNIT UNDER TEST (UUT)

Manufacturer : Druck
Type Number : DPI 610
Serial Number : 61023809
Sales Order Number : A17180-1
Parameter Range : -1 to 70 bar g
Calibration Date : 23 November 2007
Calibrated By : A. Jordan
External Sensor Serial No. : 2652633

CALIBRATOR INFORMATION

1. Calibration Instrument : T260001
Serial Number : 10828
(*1) Calibrated Against : Druck Standards Lab.
Pressure Medium : Air
Uncertainty : $\pm 0.015\%$ reading

AMBIENT CONDITIONS

Ambient Temperature (°C) : 22.5

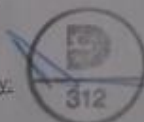
PERFORMANCE DATA

Actual Applied Value bar	Unit Under Test Reading bar (*2)	Unit Under Test Deviation (*2)	Permissible Deviation (*3)
0.000	0.000	+0.000 % cr	$\pm 0.025\%$ cr
-0.240	-0.241	-0.001 % cr	$\pm 0.025\%$ cr
-0.470	-0.472	-0.003 % cr	$\pm 0.025\%$ cr
-0.710	-0.711	-0.001 % cr	$\pm 0.025\%$ cr
-0.851	-0.853	-0.003 % cr	$\pm 0.025\%$ cr
-0.710	-0.712	-0.003 % cr	$\pm 0.025\%$ cr
-0.470	-0.472	-0.003 % cr	$\pm 0.025\%$ cr
-0.240	-0.242	-0.003 % cr	$\pm 0.025\%$ cr
0.000	-0.001	-0.001 % cr	$\pm 0.025\%$ cr

COMMENTS

Where cr = 71 bar

Certified by:



Date: 23 NOV 2007

NOTES

- (*1) Traceable to relevant International Standards (including NIST)
- (*2) Actual recorded values. For specification, see Permissible Deviation column.
- (*3) Deviation calculated from UUT Reading minus Actual Applied Value.
- (*4) Non-linearity, hysteresis and repeatability.

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