

Manual Supplement

Manual Title: RUSKA 7250, 7250i, 7250xi & 7250LP Users Supplement Issue: **2**
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This supplement contains information necessary to ensure the accuracy of the above manual.



Change #1, 244, 351, 416, 439, 622

On page A-6, under **General Specifications**, remove Ingress Protection, EMC, Electrical Safety, Pressure Safety and add:

- Ingress Protection: IEC 60529: IP20 Indoor Only
- International IEC 61326-1: Controlled Electromagnetic Environment
 CISPR 11: Group 1, Class A
Group 1: Equipment has intentionally generated and/or uses conductively-coupled radio frequency energy that is necessary for the internal function of the equipment itself.
Class A: Equipment is suitable for use in all establishments other than domestic and those directly connected to a low-voltage power supply network that supplies buildings used for domestic purposes. There may be potential difficulties in ensuring electromagnetic compatibility in other environments due to conducted and radiated disturbances.
Emissions that exceed the levels required by CISPR 11 can occur when the equipment is connected to a test object.
- Safety: IEC 61010-1: Overvoltage, Category II, Pollution Degree 2
- Operating Altitude: 2000 m
- Transient RF energy exposure greater than 1 V/m in the frequency range of 400 MHz to 650 MHz can cause a momentary spike in pressure control outside of the control stability tolerance.

On page A-7, replace **Table A-5** with:

Table A-5. Performance Specifications: RUSKA 7250

Pressure Range	5–1000 psi (0.34–68.9 bar)	1000–2500 psi (68.9–172 bar)	15–50 psi (1–3.45 bar)	3000 psi (210 bar)
Mode	Gauge	Gauge	Absolute	Absolute
Precision ¹	0.003 % FS	0.003 % FS	0.003 % FS	0.012 % RDG or 0.0036 % FS, whichever is greater
Stability Over 3 Months: Over 1 Year:	0.0019 % RDG/ 3 months 0.0075 % RDG/year			0.005 % RDG
Zero Drift ²	<0.00017 % FS / hr	<0.00017 % FS / hr	<0.00017 % FS / hr	N/A
Control Stability	0.001 % FS	0.001 % FS	0.001 % FS	0.001 % FS
Control Low Limits ³	0 psig 0.15 psia	0 psig 0.15 psia	0.15 psia	0 psig
Slew Rate ⁴	<20 Seconds	<20 Seconds	<20 Seconds	<60 Seconds
Test Port Isolation	Standard	none	Standard	none

Change #2, 622

On page A-4, **Table A-1**, *Uncertainty Analysis for RUSKA 7250xi — Three Month Analysis* replace the Head Row with:

Uncertainty Analysis – 3 Month Calibration Interval RUSKA 7250xi from 20 % to 100 % of Range	Uncertainty (2 sigma)
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On page A-4, **Table A-2**, *Uncertainty Analysis for RUSKA 7250xi — One Year Analysis* replace the Head Row with:

Uncertainty Analysis – One Year Calibration Interval RUSKA 7250xi from 20 % to 100 % of Range	Uncertainty (2 sigma)
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On page A-7, in **Table A-6 Performance Specifications: Ruska 7250LP**, replace Precision and Zero Drift rows, with:

Pressure Range	10/30, 20/60 & 35/100 inH2O (25/75, 50/150, & 85/250 mbar)
Precision ¹	From 25 % to 100 % Max FS: 0.005 % of RDG Below 25 % Max FS: 0.005 % of 25 % Max Positive FS
Zero Drift ²	<0.001 % FS / hr
Neg. Gauge Precision ¹	From 25 % to 100 % Max Negative FS: 0.005 % of RDG Below 25 % Max Negative FS: 0.005 % of 25 % Max Positive FS

On page A-8, **Table A-7 Performance Specifications: Ruska 7250i and 7250xi** replace the rows for Precision, Zero Drift, and Neg. Gauge Precision (opt.) and Note 2 with:

MODEL	RUSKA 7250i	RUSKA 7250xi
MODE	GAUGE	GAUGE
Precision ¹	From 40 % to 100 % FS: 0.005 % of RDG Below 40 % FS: 0.005 % of 40 % FS	From 20 % to 100 % FS: 0.005 % of RDG Below 20 % FS: 0.005 % of 20 % FS
Neg. Gauge Precision (opt.)	Greater of 0.005 % of 40 % FS or 0.00075 psi (0.005 kPa)	Greater of 0.005 % of 20 % FS or 0.00075 psi (0.005 kPa)
Zero Drift ²	<0.0004 % FS / hr	<0.0002 % FS / hr

²Zero drift typically improves with sensor age. Routine zeroing is required to meet uncertainty specifications: i-Class , xi Class and STD Class within 5 hours; LP-Class within 1 hour.

Change #3, 622

On page 2-11, last paragraph, change warm-up time to: 24-hour warm-up time required prior to the Calibrator operating at its optimum precision.

On page 3-2, Table 3-1, change Warm-up Period to:

Parameter	Value	Model
Warm-up Period	24 hrs	all