

Manual Supplement

Manual Title: RUSKA 7252 Users
Part Number: 3952304
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This supplement contains information necessary to ensure the accuracy of the above manual.



Change #1, 622

On page A-3, Table A-1, replace the Head Row with:

Uncertainty Analysis – 3 Month Calibration Interval RUSKA 7252i from 40 % to 100 % of Range	Uncertainty (2 sigma)
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On page A-4, Table A-2, replace the Head Row with:

Uncertainty Analysis – One Year Calibration Interval RUSKA 7252i from 40 % to 100 % of Range	Uncertainty (2 sigma)
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Change #2, 353, 622, TPUBS309

On page A-6, replace **Table A-5** with:

Table A-5. Performance Specifications: RUSKA 7252

Pressure Range	5 psi – 1000 psi (0.34 bar – 68.9 bar)	1000 psi – 2500 psi (68.9 bar – 172 bar)	15 psi – 50 psi (1 bar – 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
Neg. Gauge Control Stability (opt.)	0.001 % FS	0.001 % FS	NA	
Control Low Limits ³	0 psig 0.15 psia	0 psig 0.15 psia	0.15 psia	0 psig
Typical Slew Rate ⁴	<20 Seconds	<20 Seconds	<20 Seconds	<60 Seconds
Neg. Gauge Typical Slew Rate (opt.) ⁵	<20 Seconds	<20 Seconds	NA	
Test Port Isolation	standard	none	standard	none

¹ Precision is defined as the combined effect of linearity, repeatability, and hysteresis throughout the operating temperature range. Some manufacturers use the word "Accuracy" in place of "Precision", however the meaning is identical.

² Zero drift typically improves with sensor age. Routine zeroing is required to meet uncertainty specifications: STD Class must be zeroed at least every 5 hours.

³ Requires vacuum pump to control 0 psig, or the vent mode can be used to obtain 0 psig.

⁴ Defined as 10 % FS increments into a 15 cubic inch volume.

⁵ Defined as 10 % increments from 0 psig to control low limit into a 5 cubic inch volume.

On page A-7, replace **Table A-6 Performance Specifications: RUSKA 7252i**, with:

Table A-6. Performance Specifications: RUSKA 7252i

MODEL	RUSKA 7252i
MODE	GAUGE
Precision ¹	From 40 % to 100 % FS: 0.005 % RDG Below 40 %FS: 0.005 % of 40 % FS
Neg. Gauge Precision (opt.)	Greater of 0.005 % of 40 % FS or 0.0075 psi (0.05 kPa)
Stability Over 3 Months: Over 1 Year:	0.0019 % RDG / 3 months 0.0075 % RDG /year
Zero Drift ²	<0.0004 % FS / hrs
Control Stability	0.001% of maximum FS
Neg. Gauge Control Stability (opt.)	0.001 % of maximum FS
Control Low Limit ³	0 psig 0.15 psia
Typical Slew Rate ⁴	<20 seconds
Neg. Gauge Typical Slew Rate (opt.) ⁵	<20 seconds
Test Port Isolation	standard

¹ Precision is defined as the combined effect of linearity, repeatability, and hysteresis throughout the operating temperature range. Some manufacturers use the word "Accuracy" in place of "Precision", however the meaning is identical.

² Zero drift typically improves with sensor age. Routine zeroing is required to meet uncertainty specifications: i Class must be zeroed at least every 5 hrs.

³ Requires vacuum pump to control 0 psig, or the vent mode can be used to obtain 0 psig.

⁴ Defined as 10 % FS increments into a 15 cubic inch volume.

⁵ Defined as 10 % increments from 0 psig to control low limit into a 5 cubic inch volume.

On page A-7, replace **Table A-7 Performance Specifications: RUSKA 7250LP**, with:

Table -1. Performance Specifications for RUSKA 7250LP

Pressure Range	10/30, 20/60 & 35/100 inH ₂ O (25/75, 50/150, & 85/250 mbar)
Mode	Gauge
Precision ¹	From 25 % to 100 % FS: 0.005 % of RDG. Below 25 % FS: 0.005 % of 25 %Max Positive FS
Neg. Gauge Precision (opt.) ¹	From 25 % to 100 % Max FS: 0.005 % of RDG. Below 25 % Max Negative FS: 0.005 % of 25 % Max Negative FS
Stability Over 3 Months: Over 1 Year:	0.0019% RDG / 3 months 0.0075% RDG /year
Zero Drift ²	<0.001% FS / hrs
Control Stability	0.004% of Range
Neg. Gauge Control Stability (opt.)	0.004% of Range
Control Low Limit ³	0 psig (-30 H ₂ O w/option and external Vac. Pump)
Typical Slew Rate ⁴	<20 Seconds
Neg. Gauge Typical Slew Rate (opt.) ⁵	<20 Seconds

¹ Precision is defined as the combined effect of linearity, repeatability, and hysteresis throughout the operating temperature range. Some manufacturers use the word "Accuracy" in place of "Precision", however the meaning is identical.

² Zero drift typically improves with sensor age. Routine zeroing is required to meet uncertainty specifications: LP Class must be zeroed at least every 1 hour.

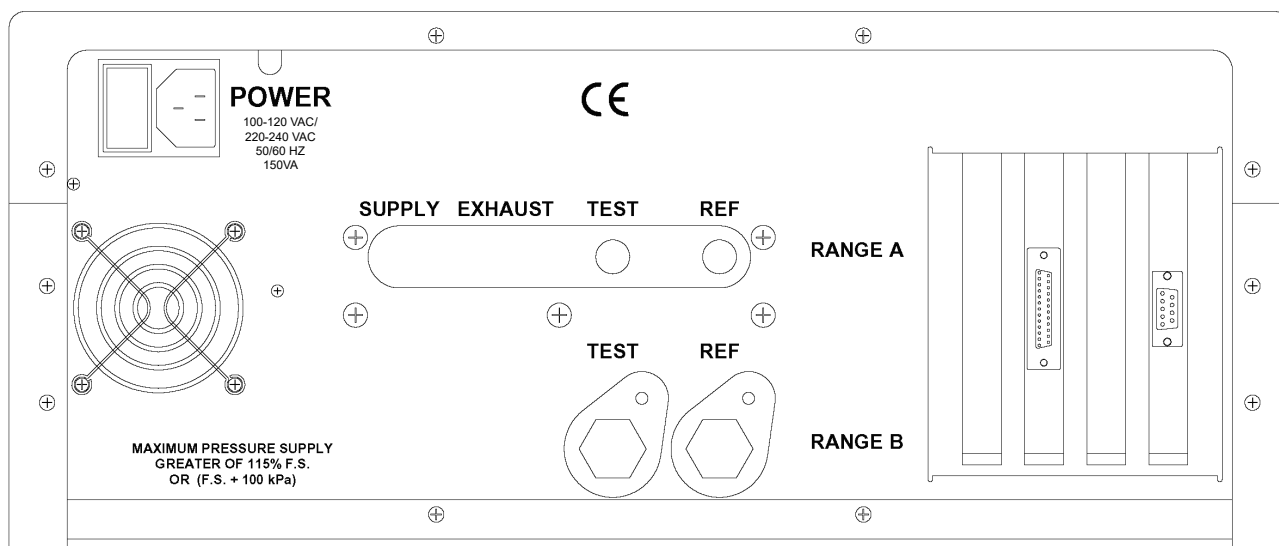
³ Requires vacuum pump to control 0 psig, or the vent mode can be used to obtain 0 psig.

⁴ Defined as 10 % FS increments into a 15 cubic inch volume.

⁵ Defined as 10 % increments from 0 psig to control low limit into a 5 cubic inch volume.

Change #3, SP84

On page 3-5, replace **Figure 3-1** with:



Change #4, 622

On page 2-12, in the **Oven Control** section, 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