Manual Supplement

Manual Title:	RUSKA 7252 Users	Supplement Issue:	**4**
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This supplement contains information necessary to ensure the accuracy of the above manual.

FLUKE®
Calibration

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)**

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)**

Change #2, 353, 622

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[3]	<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[2]	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

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

[3] 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.

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

On page A-7, in **Table A-6** *Performance Specifications: RUSKA 7252i,* replace Precision, Neg. Gauge Precision (opt.), and Zero Drift rows and the Zero Drift note (Note 3) with:

MODE	GAUGE
Precision[1]	From 40 % to 100 % FS: 0.005 % of RDG Below 40 % FS: 0.005 % of 40 % FS
Neg. Gauge Precision (opt.)	Greater of 0.005 % of 40 % FS or 0.00075 psi (0.005 kPa)
Zero Drift[3]	<0.0004% FS / hr

[3] 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.

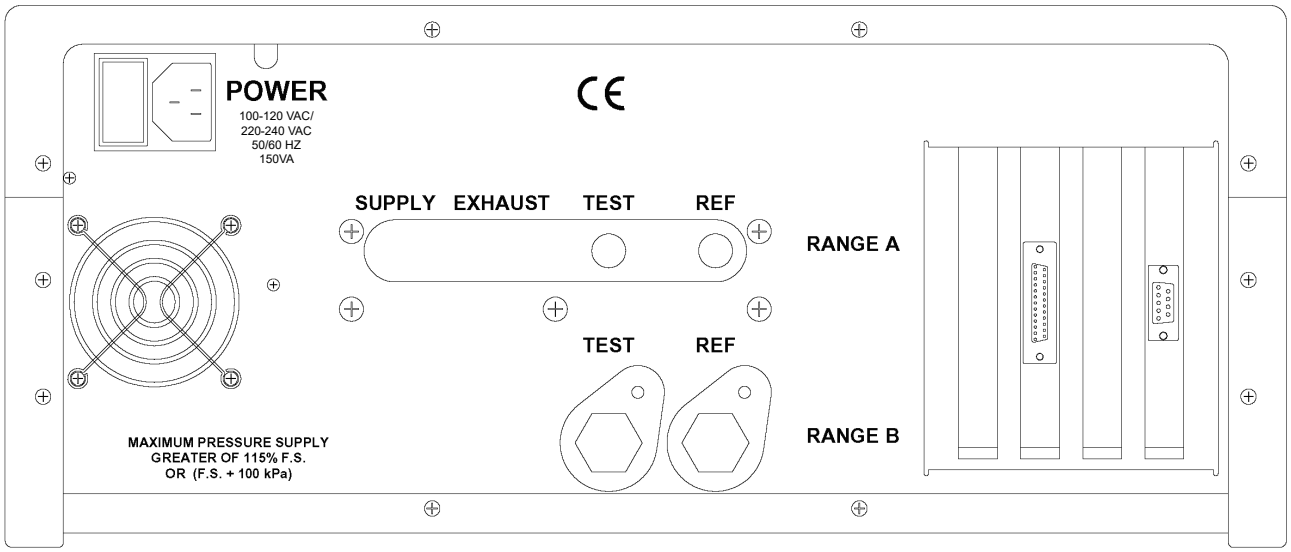
On page A-7, **Table A-7** *Performance Specifications: RUSKA 7250LP*, replace the rows for Precision, Neg. Gauge Precision, and Zero Drift with:

Pressure Range	10/30, 20/60 & 35/100 inH2O (25/75, 50/150, & 85/250 mbar)
Precision[1]	From 25 % to 100 % FS: 0.005 % of RDG Below 25 % FS: 0.005 % of 25 % Max Positive FS
Neg. Gauge Precison (opt)[2]	From 25 % to 100 % Max Negative FS: 0.005 % of RDG Below 25 % Max Negative FS: 0.005 % of 25 % Max Negative FS
Zero Drift[3]	<0.001% FS / hr

[3] 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.

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