Manual Supplement

Manual Title:	RUSKA 7050, 7050i & 7050LP Users	Supplement Issue:	**2**
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This supplement contains information necessary to ensure the accuracy of the above manual.

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FLUKE®
Calibration

Change #1, 60164, 622

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

Uncertainty Analysis – <u>3 Month</u> Calibration Interval RUSKA 7050i from 40 % to 100 % of Range	**Uncertainty (2 sigma)**

On page A-3, Table A-2, replace the Head Row with:

Uncertainty Analysis – <u>One Year</u> Calibration Interval RUSKA 7050i from 40 % to 100 % of Range	**Uncertainty (2 sigma)**

Change #2, 354, 622

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

Table A-5. Performance Specifications

	7050	**7050i**	**7050LP**
Precision[1]	0.003 % FS	From 40 % to 100 % FS: 0.005 % RDG Below 40 % FS: 0.005 % of 40 % FS	From 25 % to 100 % Max FS: 0.005 % of RDG Below 25 % Max FS: 0.005 % of 25 % Max FS
Stability	0.0019 % RDG/ 3 months or 0.0075 % RDG/year		
Zero Drift[2]	<0.00017 % FS / hr	<0.0004 % FS / hr	<0.001 % FS / hr
Options			
Neg. Gauge Precison[1]	0.003 % of max positive FS	Greater of 0.005 % of 40 % FS or 0.00075 psi (0.005 kPa)	From 25 % to 100 % Max Negative FS: 0.005 % of RDG Below 25 % Max Negative FS: 0.005 % of 25 % Max Positive FS
Barometric Reference[3]	0.002 psi / year (14 Pa / year)	0.002 psi / year (14 Pa / year)	N/A
Vacuum Reference[3]	0.0002 psi / year (1.33 Pa / year)	0.0002 psi / year (1.33 Pa / year)	N/A

[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 and i Class within 5 hours, LP-Class within 1 hour.
[3] Requires Additional Uncertainty when operating in gauge mode 7050 or 7050i in the absolute mode. This uncertainty component would be combined RSS with the gauge mode uncertainty of the instrument.

Change #3, 622

On page 2-8, paragraph 2, change warm-up time to: 24-hour warm-up time required prior to the PPI 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