



**INTEGRATED MANAGEMENT SYSTEM  
LEVEL III DOCUMENTATION**

EL-ACT-OP-X-X-CH-GN102712

Revision 1  
Issued: 17/11/2021  
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**List of Uncertainty Budgets For Measurements Made  
With Accredited Tests – Cradley Heath**

This document is supplemental [to Element's Statement of Conformity Policy](#). The below table contains indicative uncertainty values for measurements associated with the testing activities in Element Cradley Heath schedule of accreditation.

Uncertainty budgets at time of test may differ from the values reported in this document due to changes in calibration, qualified staff and other contributing factors. These changes will normally be negligible. For this reason, these values should be seen as indicative rather than precise. Budgets for specific test results can be made available upon request if these are required to understand the actual risk when the statement of conformity is made.

Measuring Equipment	Test Methods	Standard / Specification	Uncertainty value (%)
6" Vernier Gauge	Liquid Penetrant	BS 6443 BS M39 BS EN 571-1 BS EN ISO 3452-1 RPS 702 R05-6101 ABP 6-5230 981-060-021 AWPS006X DEF STAN 02-729 Part 4 ASTM E165- ASME V ASTM E1417/E1417M RRP 58003 RRP58006 BS M34:1970 BS 2600 Part 1 BS 2600 Part 2 BS 2910:1986 BS 7257:1989 BS EN 444:1994 BS EN ISO 5579 BS EN 1435:1997 BS EN ISO 17636-1 RPS 704 R05-6113 ABP 6-5346 981-060-022 AWPS004X NGPS 1017 T/SP/P2 2000 ASTM E94 ASTM E2104 DEF STAN 02-729 Part 1 ASME V ASME B16.34 NGPS 1057 ASTM E1742/1742M BSS7041 AITM 6-7002 RRP 58006 BS M34:1970 BS 2600: Part1 BS 2600:Part 2 BS 2910 BS 7257 BS EN 1435 BS EN ISO 17636-1 RPS 704 R05-6113 AWPS004X ASTM E94 ASTM E2104 DEF STAN 02-729 ASME V BS 5138 BS 6072 BS EN 1290 BS EN ISO 17638 BS EN ISO 9934-1 BS EN 10228 Part 1 RPS 700 ABP 6-5229 981-060-014 AWPS003X DEF STAN 02-729 Part 2 ASTM E709 ASTM E1444/E1444M ASME V ASME B16.34	±2.66% of measurement
	Magnetic Particle		
	Radiography		



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		RRP58004	
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Measuring Equipment	Test Methods	Standard / Specification	Uncertainty value (%)
Graticule	Liquid Penetrant Magnetic Particle Radiography	BS 6443 BS M39 BS EN 571-1 BS EN ISO 3452-1 RPS 702 R05-6101 ABP 6-5230 981-060-021 AWPS006X DEF STAN 02-729 Part 4 ASTM E165- ASME V ASTM E1417/E1417M RRP 58003 RRP58006 BS M34:1970 BS 2600 Part 1 BS 2600 Part 2 BS 2910:1986 BS 7257:1989 BS EN 444:1994 BS EN ISO 5579 BS EN 1435:1997 BS EN ISO 17636-1 RPS 704 R05-6113 ABP 6-5346 981-060-022 AWPS004X NGPS 1017 T/SP/P2 2000 ASTM E94 ASTM E2104 DEF STAN 02-729 Part 1 ASME V ASME B16.34 NGPS 1057 ASTM E1742/1742M BSS7041 AITM 6-7002 RRP 58006 BS M34:1970 BS 2600: Part1 BS 2600:Part 2 BS 2910 BS 7257 BS EN 1435 BS EN ISO 17636-1 RPS 704 R05-6113 AWPS004X ASTM E94 ASTM E2104 DEF STAN 02-729 ASME V BS 5138 BS 6072 BS EN 1290 BS EN ISO 17638 BS EN ISO 9934-1 BS EN 10228 Part 1 RPS 700 ABP 6-5229 981-060-014 AWPS003X DEF STAN 02-729 Part 2 ASTM E709 ASTM E1444/E1444M ASME V ASME B16.34 RRP58004	±2.0% of measurement



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Measuring Equipment	Test Methods	Standard / Specification	Uncertainty value (%)
Rhythm Review – Calibrated Distance Annotation Tool	Computed Radiography	ASTM E2033-17 RRP 58009 AITM 6-7002 PS1106 BS EN 14784-1 BSS7043 WP1077 981-060-022 BS 3923 Part 1 BS 5996 BS 6208 BS EN 1714 BS EN ISO 17640 BS EN 10160 BS EN 10228 BS EN 10228 ASME V DEF STAN 02-729	±1.03% of measurement