

ASME PTC 70-2009

Ramp Rates

Performance Test Codes

AN AMERICAN NATIONAL STANDARD



CONTENTS

Notice	iv
Foreword	v
Committee Roster	vi
Correspondence With the PTC Committee	vii
Section 1 Object and Scope	1
1-1 Object	1
1-2 Scope	1
1-3 Expected Measurement Uncertainty	1
Section 2 Terms and Definitions	2
Section 3 Guiding Principles	4
3-1 Object of Test	4
3-2 Preparations for Testing	4
3-3 Tests	5
3-4 Instrumentation	5
3-5 Operating Conditions	6
3-6 Records	6
Section 4 Instrumentation and Methods of Measurement	7
4-1 Instrumentation Requirements	7
4-2 Test Methodology	7
Section 5 Computation of Results	9
5-1 Reported Ramp Rate	9
5-2 Determination of Ramp Rate	9
5-3 Data Reduction and Traceability	9
5-4 Graphical Presentation	9
Section 6 Test Uncertainty	10
6-1 Pretest Uncertainty Analysis	10
6-2 Post-Test Uncertainty Analysis	10
6-3 Calculating Ramp Rate Uncertainty	10
Section 7 Reporting of Results	11
7-1 Test Report Contents	11
Nonmandatory Appendices	
A Sample Uncertainty Calculation	13
B Sample Ramp Rate Data and Calculation	15