# ISO 3690:2012-03 (E)

## Welding and allied processes - Determination of hydrogen content in arc weld metal

## Contents

Page


Foreword ..... iv

1 Scope ..... 1

2 Normative references ..... 1

3 Principle ..... 1

4 Test procedures ..... 2
4.1 Production of weld specimens ..... 2
4.2 Welding procedures for the production of weld specimens ..... 5
4.3 Measurement of hydrogen in the test weld ..... 13
4.4 Measurement of total hydrogen content in the weld metal -- Rapid methods ..... 19
4.5 Rounding procedure ..... 19

Annex A (informative) Recommendations and restrictions in regard to older methods of measurement using mercury ..... 20

Annex B (informative) Recommendations and restrictions in regard to older methods of measurement using glycerin ..... 21

Annex C (informative) Accuracy and reproducibility ..... 22

Bibliography ..... 23