

ISO 18491:2026-06 (E)

Welding and allied processes - Measurement of arc energies

Contents

Page

Foreword.....	iv
Introduction.....	v
1 Scope.....	1
2 Normative references.....	1
3 Terms and definitions.....	1
4 General.....	2
5 Welding equipment and measuring devices.....	3
6 Determination of arc energy.....	3
7 Measurement parameters.....	4
7.1 General.....	4
7.2 Arc voltage.....	4
7.3 Welding current.....	4
7.4 Total instantaneous energy or average instantaneous power.....	4
7.5 Welding speed and length of the run.....	5
8 Calibration and validation of measuring instruments.....	5
Annex A (informative) Range of power source types and measurement methods.....	6
Annex B (informative) Conversion factors.....	8
Bibliography.....	9