

## भारतीय मानक ब्यूरो

**DRAFT FOR WIDE CIRCULATION**

*(Not to be reproduced without permission of BIS or used as an Indian Standard)*

**भारतीय मानक मसौदा**  
**वेल्डिंग और संबद्ध प्रक्रियाएं — शब्दावली — भाग 4: आर्क वेल्डिंग**  
**(आईएस 812 का पहला पुनरीक्षण)**

*Draft Indian Standard*  
**Welding and Allied Processes — Vocabulary — Part 4: Arc**  
**Welding**  
*(First Revision of IS 812)*

ICS 01.040.25 , 25.160.10

Welding General and its Applications  
Sectional Committee, MTD 11

Last date of comment:  
22/12/2023

### NATIONAL FOREWORD

This draft standard is identical to ISO/TR 25901-4 : 2016 ‘Welding and allied processes — Vocabulary — Part 4: Arc welding’ issued by the International Organization for Standardization (ISO), and subject to its finalization, is to be adopted by the Bureau of Indian Standards on the recommendation of the Welding General and its Applications Sectional Committee and approval of the Metallurgical Engineering Division Council.

This standard was originally published in 1957. The Committee has decided to revise this standard to bring it in line with International Practices by splitting in 4 parts as the requirements of IS 812 : 1957 are covered in multiple ISO standards. The first revision of this standard has been undertaken to align it with the latest version of ISO/TR 25901-4 : 2016 under dual numbering system.

This Indian Standard is published in four parts. The other parts in this series are:

- Part 1     General terms [Technical Report]
- Part 2     Health and safety
- Part 3     Welding processes [Technical Report]

The text of ISO standard has been approved as suitable for publication as an Indian Standard without deviations. Certain terminologies and conventions are, however, not identical with those used in Indian Standard. Attention is especially drawn to the following:

- a) Wherever the words ‘International Standard’ appear referring to this standard, it should be read as ‘Indian Standard’.
- b) Comma (,) has been used as a decimal marker, while in Indian Standards, the current practice is to use a point (.) as the decimal marker.

For the purpose of deciding whether a particular requirement of this standard is complied with the final value, observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with IS 2 : 2022 'Rules for rounding off numerical-values (*second revision*)'. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

The scope of the standard is as follows:

## **SCOPE**

This part of ISO/TR 25901 contains terms and definitions applicable to arc welding. It does not contain terms and definitions related to specific processes or particular aspects of welding and allied processes that are covered in other parts of this Technical Report (see Foreword) or in other ISO standards.

In the main body of this part of ISO/TR 25901, terms are arranged in a systematic order. Annex A provides an index in which all terms are listed alphabetically with reference to the appropriate subclause.

**The complete document/text of ISO/TR 25901-4 : 2016 'Welding and allied processes — Vocabulary — Part 4: Arc welding' may be made available, on request to:**

संजीव मैनी / **Sanjiv Maini**

वरिष्ठ निदेशक, वैज्ञानिक 'एफ' एवं प्रमुख / **Senior Director, Scientist 'F' & Head**

धातुकर्म अभियांत्रिकी विभाग / **Metallurgical Engg. Department**

भारतीय मानक ब्यूरो / **Bureau of Indian Standards,**

मानक भवन, नई दिल्ली / **Manak Bhavan, 9, B.S.Z. Marg,**

**New Delhi-110002**

**E-mail: mtd@bis.gov.in, mtd11@bis.gov.in**

**Tel: + 91 11 23231085**