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BUREAU OF INDIAN STANDARDS

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भारतीय मानक **मसौदा**

आरेखों के लिए रैखिक प्रतीक
भाग 2 रैखिक प्रतीक

(ISO 14617-2:2025 का *अधिग्रहण*)

Draft *Indian Standard*

GRAPHICAL SYMBOLS FOR DIAGRAMS
PART 2 GRAPHICAL SYMBOLS

(*Adoption* of ISO 14617-2:2025)

ICS 01.080.30

Chemical Engineering Plants and Related Equipment Sectional Committee, MED 17	Last date for receipt of comments is **13 September 2025**

NATIONAL FOREWORD
(*Formal clauses will be added later on*)

This new standard supersedes IS 12754 (Part 1) : 1989/ISO 3511-1:1977 'Process Measurement Controli Functions and Instrumentation - Symbolic Representation: Part 1 Basic Requirements', IS 12754 (Part 2) : 1989/ISO 3511-2:1977 'Process Measurement Control Functions and Instrumentation - Symbolic Representation: Part 2 Extension of Basic Requirements', IS 12754 (Part 3) : 1989/ISO 3511-3:1977 'Process Measurement Control Functions and Instrumentation - Symbolic Representation: Part 3 Detailed Symbols for Instrument Interconnection Diagrams' and IS 12754 (Part 4) : 1989/ISO 3511-4:1977 'Industrial Process Measurement Control Functions and Instrumentation - Symbolic Representation: Part 4 Basic Symbols for Process Computer, Interface, and Shared Display/Control Functions'.

The text of ISO standard has been approved for publication as Indian Standard without deviations. Certain terminology and conventions are however not identical to those used in Indian Standards. Attention is particularly drawn to the following:

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

In this adopted standard, reference appears to certain International Standards for which Indian Standards also exist. The corresponding Indian Standards, which are to be substituted in their respective places, are listed below along with their degree of equivalence for the editions indicated:

International Standard	*Corresponding Indian Standard*	*Degree of Equivalence*
ISO 15519-2, Specifications for diagrams for process industry — Specifications for diagrams for process industry — Part 2: Measurement and control	IS 18693 (Part 2):2024/ ISO 15519-2: 2015 Diagrams for process industry — Specification Part 2 Measurement and control	*Identical*
ISO 80000 (all parts), Quantities and units	IS/ISO 80000-1:2022 Quantities and units Part 1 General (*first revision*)	*Identical*
	IS/ISO 80000-2 : 2019 Quantities and Units Part 2 Mathematics (*first revision*)	*Identical*
	IS/ISO 80000-3 : 2019 Quantities and units Part 3 Space and time (*first revision*)	*Identical*
	IS/ISO 80000-4 : 2019 Quantities and units Part 4 Mechanics (*first revision*)	*Identical*
	IS/ISO 80000-5 : 2019 Quantities and units Part 5 Thermodynamics (*first revision*)	*Identical*
	IS/IEC 80000-6 : 2022 Quantities and units Part 6 Electromagnetism (*first revision*)	*Identical*
	IS/ISO 80000-7 : 2019 Quantities and units Part 7 Light and radiation (*first revision*)	*Identical*
	IS/ISO 80000-8 : 2019 Quantities and units Part 8 Acoustics (*first revision*)	*Identical*
	IS/ISO 80000-9 : 2019 Quantities and units Part 9 Physical chemistry and molecular physics (*first revision*)	*Identical*
	IS/ISO 80000-10 : 2019 Quantities and units Part 10 Atomic and nuclear physics (*first revision*)	*Identical*
	IS/ISO 80000-11 : 2019 Quantities and	*Identical*

	units Part 11 Characteristic numbers (*first revision*)	
	IS/ISO 80000-12 : 2019 Quantities and units Part 12 Condensed matter physics (*first revision*)	*Identical*
	IS/IEC 80000-13 : 2008 Quantities and units Part 13 Information science and technology	*Identical*

The technical committee has reviewed the provision of the following International Standard referred in this adopted standard and has decided that it is acceptable for use in conjunction with this standard:

International Standard	*Title*
IEC 60027-2	Letter symbols to be used in electrical technology — Part 2: Telecommunications and electronics

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.

NOTE — The technical content of the document has not been enclosed as these are identical with the corresponding ISO standard. For details, please refer the corresponding **ISO 14617-2 : 2025** or kindly contact:

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