

AS 1852(321)—1988

Australian Standard[®]

**INTERNATIONAL
ELECTROTECHNICAL
VOCABULARY**

**Chapter 321—INSTRUMENT
TRANSFORMERS**

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PREFACE

This Standard was prepared by the Association's Committee on Symbols, Units and Quantities for Electrotechnology, under the authority of both the Telecommunications and Electronics Standards Board and the Electrical Standards Board. This Standard completes and replaces Section 45 of AS 1852(20)—1970, *International Electrotechnical Vocabulary, Scientific and industrial measuring instruments*, which was withdrawn in March 1987.

This Standard is identical with and has been reproduced from IEC 50(321)—1986. Acknowledgement is accordingly made to the International Electrotechnical Commission for this assistance.

This Standard is one of the AS 1852 series of Standards. In the past, this series has consisted of direct endorsements of the IEC 50 series of the International Electrotechnical Vocabulary. In future, newly issued parts of IEC 50, where appropriate, will be issued as Australian Standards, i.e. not endorsements. The full text of the definitions in English, French and Russian has been included as some definitions are considered to be incomplete when produced in one language.

The purpose of the AS 1852 series is to provide a glossary of terms used in electrical engineering. The series lists terms in English, French and Russian, and in some cases Spanish. It is intended that other Australian Standards will refer to AS 1852 and not repeat any definitions.

CONTENTS

SECTION	<i>Page</i>
321-01 GENERAL AND COMMON TERMS	3
321-02 CURRENT TRANSFORMERS	10
321-03 VOLTAGE TRANSFORMERS	18
INDEX	25

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Australian Standard

INTERNATIONAL ELECTROTECHNICAL VOCABULARY

CHAPTER 321—INSTRUMENT TRANSFORMERS

INTRODUCTION

Dans son état actuel, le présent chapitre traite uniquement des transformateurs de mesure classiques de type bobiné (ou ayant des parties bobinées), destinés à être utilisés en liaison avec des appareils de mesure ou des dispositifs de protection. Dans l'avenir, il est prévu qu'il soit mis à jour pour tenir compte de l'introduction de nouveaux types de transformateurs de mesure, avec un titre plus général.

Sauf indication contraire, les caractéristiques fonctionnelles telles que erreurs, courants assignés, etc., sont valables pour des courants et tensions sinusoïdaux et en régime établi, et les valeurs des courants et des tensions apparaissant dans les termes et les définitions sont des valeurs efficaces.

INTRODUCTION

In its present state, this chapter deals only with conventional wound type (or having wound parts) instrument transformers intended to be used with measuring apparatus or protection devices. In the future, it will be updated to take into account the introduction of new types of instrument transformers with a more general title.

Unless otherwise stated, the functional characteristics, such as errors, rated currents and so on are valid in the case of sinusoidal currents and voltages under steady-state conditions and the values of current and voltages appearing in the terms and definitions are r.m.s. values.

ВВЕДЕНИЕ

В настоящем виде содержание этой главы распространяется только на стандартные измерительные трансформаторы, имеющие обмотки (или элементы обмоток), предназначенные для использования с измерительными приборами или защитными устройствами. Необходимо иметь в виду, что в дальнейшем возможно введение новых типов измерительных трансформаторов под более общим наименованием.

Если не установлено иначе, то такие функциональные характеристики, как погрешности, номинальные токи и т.п. являются обоснованными при синусоидальных токах и напряжениях в условиях установившегося режима; в терминах и определениях приводятся действительные значения токов и напряжений.

SECTION 321-01—GENERAL AND COMMON TERMS

321-01-01**transformateur de mesure**

Transformateur destiné à transmettre un signal d'information à des appareils de mesure, à des compteurs, à des dispositifs de protection ou de commande.

Note. — Les transformateurs de mesure comprennent les transformateurs de courant (voir section 2) et les transformateurs de tension (voir section 3).

instrument transformer

A transformer intended to transmit an information signal to measuring instruments, meters and protective or control devices.

Note. — The term "instrument transformer" encompasses both current transformers (see Section 2) and voltage transformers (see Section 3).

измерительный трансформатор

Трансформатор, предназначенный для передачи информационного сигнала измерительным приборам, счетчикам, устройствам защиты и (или) управления.

Примечание. — Термин «измерительный трансформатор» относится как к трансформаторам тока (см. раздел второй), так и к трансформаторам напряжения (см. раздел третий).

321-01-02**autotransformateur de mesure**

Transformateur de mesure dans lequel les enroulements primaire et secondaire ont une partie commune.

instrument autotransformer

An instrument transformer in which the primary and the secondary windings have a common part.

измерительный автотрансформатор

Измерительный трансформатор, у которого первичная и вторичная обмотки имеют общую часть.

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