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IEC  
PAS 62419

Pre-Standard

First edition  
2005-06

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**Control technology –  
Rules for the designation  
of measuring instruments**

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## CONTENTS

FOREWORD.....	3
INTRODUCTION.....	4
1 Scope and object.....	5
2 Normative references .....	5
3 Terms and definitions .....	6
4 Designation rules.....	7
4.1 General rules.....	7
4.2 Designation rules for measurement standards .....	7
4.3 Designation rules for measuring instruments with direct output.....	8
4.4 Designation rules for transmitting measuring instruments .....	8
4.5 Designation rules for measuring assemblies.....	9
4.6 Examples of names of measuring instruments for complex measuring tasks.....	9
Annex A (informative) Examples of names to be avoided and corresponding recommended names .....	10
Bibliography .....	11

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**CONTROL TECHNOLOGY –  
RULES FOR THE DESIGNATION OF MEASURING INSTRUMENTS**

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The text of this PAS is based on the following document:

This PAS was approved for publication by the P-members of the committee concerned as indicated in the following document

Draft PAS	Report on voting
65/353/NP	65/358/RVN

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This PAS shall remain valid for an initial maximum period of three years starting from 2005-06. The validity may be extended for a single three-year period, following which it shall be revised to become another type of normative document or shall be withdrawn.

## INTRODUCTION

During the period from 1920 to 1960, there was a fundamental change in the comprehension and usage of physical quantities, which was particularly promoted by the works of Julius Wallot published between 1922 and 1953. In this process, the various systems of physical units and the usage of numerical equations were replaced by the SI units (see ISO 1000) and the usage of quantity equations, so the quantities were no longer linked to certain units.

This development culminated in the publishing of the first edition of the German standard DIN 1313 in 1931 and the resolutions of the 10th general conference of weights and measures in 1954. Since then, it has been considered incorrect to address a quantity by its unit.

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