

INTERNATIONAL STANDARD



Printed electronics – Part 302-3: Equipment – Inkjet – Imaging-based measurement of drop direction



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IEC 62899-302-3

Edition 1.0 2021-01

INTERNATIONAL STANDARD



**Printed electronics –
Part 302-3: Equipment – Inkjet – Imaging-based measurement of drop direction**

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

ICS 19.080; 37.100.10

ISBN 978-2-8322-9286-0

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

PRINTED ELECTRONICS –

**Part 302-3: Equipment – Inkjet –
Imaging-based measurement of drop direction**

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International Standard IEC 62899-302-3 has been prepared by IEC technical committee 119: Printed Electronics.

The text of this International Standard is based on the following documents:

FDIS	Report on voting
119/332/FDIS	119/344/RVD

Full information on the voting for the approval of this International Standard can be found in the report on voting indicated in the above table.

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INTRODUCTION

Establishing the jetted drop direction under specific operating conditions of inks and inkjet print-heads is significant for accurate drop placement during the manufacture of printed electronics. Manufacturers that include such print-heads in their equipment should know the angular spread of ink drop directions because this influences the achievable spatial resolution of the printed material, and in particular whether any neighbouring conducting tracks could be connected by stray materials, which would affect the printed electronics' product performance. This document defines the methods for in-flight imaging measurement of jetted drop direction from drop-on-demand type inkjet print-heads to be used in printed electronics equipment.