



PFO 1040

*Surface Particulate Monitor and
Analyser for Clean Environments*

REAL-TIME SURFACE PARTICULATE DEPOSITION MONITORING FOR CLEAN ENVIRONMENTS

XCAM's PFO1040 provides real-time monitoring and analysis ensuring particle fall-out trends can be tracked, contamination incidents can be identified as they occur, and the time and cost of monitoring is reduced by removing the need for samples to be retrieved. Alarms can also be triggered when cleanliness limits are exceeded.

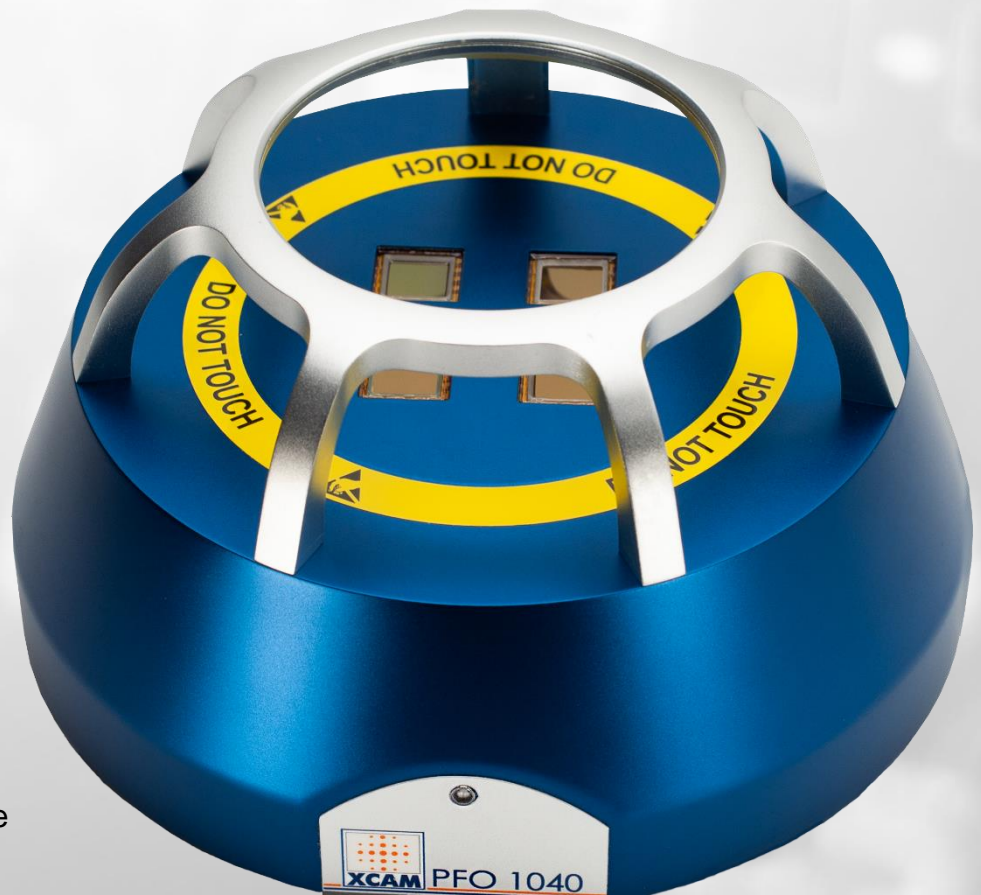
APPLICATIONS

- Aerospace
- Space
- Defence
- Automotive
- Semiconductor manufacturing
- Advanced manufacturing
- Scientific research
- Cleanroom supplies

Featuring XCAM's Direct Particle Detection (DPD) technology, the PFO 1040 uses high performance silicon sensing to directly observe particles settling on the surface of the sensor. Advanced recognition algorithms detect particle size and profile, providing particle size distribution statistics.

FEATURES

- Fast sample rate
- Particle and fibre classification
- Display particle images
- Automated
- Real-time
- Accurate
- Reliable
- Digital
- In-situ
- Cost effective
- High-resolution
- Cleanliness alerts
- Compact and portable

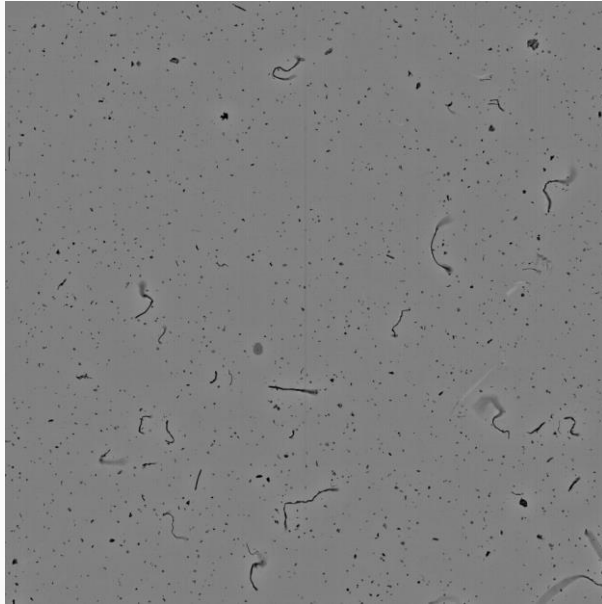




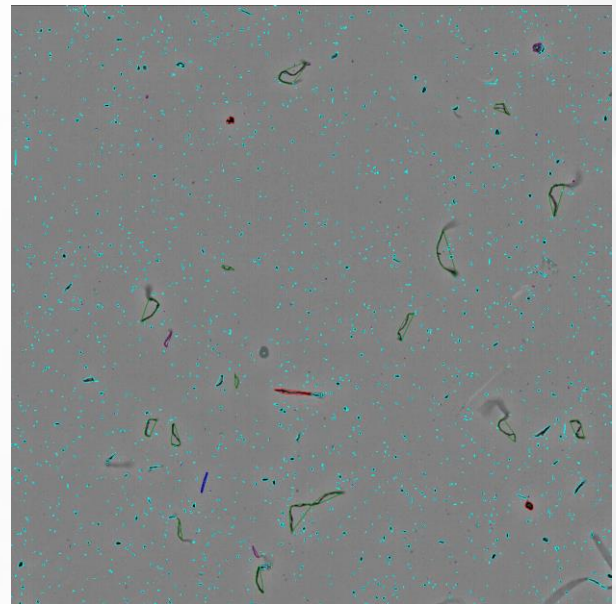
PFO 1000 Series

Surface Particulate Monitor for Clean Environments

Before Annotation



After Annotation



PFO 1040 SPECIFICATIONS

Total Detection Area	4 cm ²
Sample Rate	10 per hour
Reporting	XCAM PFO Reporting Suite
Particle Readout	Size, shape, particle/fibre classification, distribution
Particle Detection Range	5 µm to 750 µm
Alarms	Percentage area covered (PAC) alarm PFO cleanroom level alarm
Operating Temperature Range	+20 to +35 °C
Storage Temperature Range	0 to +40 °C
Power	5 V DC
Power Supply	110-240 V AC, 400 mA
Housing Material	Aluminium
Dimension (LxWxH)	178 x 178 x 92 mm
PC Interface	USB 2.0
PC Requirements	64-bit, intel core i7, 8 GB of RAM (recommended)

© 2023 XCAM. No part of this publication may be reproduced without prior permission in writing from XCAM. Whilst XCAM will endeavour to ensure that any data contained in this product information is correct, XCAM do not warrant its accuracy or accept liability for any reliance on it. XCAM reserve the right to change the specification of the products and descriptions in this data sheet without notice. Prior to ordering products please check with XCAM for current specification details. This product may be protected by patent. All brands and product names are acknowledged and may be trademarks or registered trademarks of their respective holders.

XCAM Ltd.
2 Stone Circle Road
Northampton
NN3 8RF
UK

Tel: +44 (0)1604 673700
Fax: +44 (0)1604 671584
Web: www.xcam.co.uk
Email: sales@xcam.co.uk