LaserMETER 3000XP

INSTRUCTIONS FOR SAFE OPERATION

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1. READ THIS FIRST

The LaserMETER 3000XP is an explosion-proof laser measurement device suitable for use in hazardous areas (Ex zones: potentially explosive environments).

Read and understand all Warnings and Cautions before using this product.

Liability

The technical specification of the camera complies with relevant European Ex standards (EN 60079-0 and EN60079-1).

The user is solely responsible for ensuring the equipment is suitable for the intended purpose and environments.

CorDEX Instruments will not be liable for any injury or damage resulting from unauthorized adjustments to, or dismantling of, the camera or for use with inappropriate applications or environments.

Trademark Information

Microsoft® and Windows® are U.S. registered trademarks of Microsoft Corporation.

Pentium® is a registered trademark of Intel Corporation.

Macintosh is a trademark of Apple Computer, Inc.

SD™ is a trademark.

Other names and products may be trademarks or registered trademarks of their respective owners.

Product Information

Product design and specifications are subject to change without notice. This includes primary specifications, software, software drivers, and user's manual. The User Manual is a general reference guide for the product.

The manufacturer assumes no liability for any errors or discrepancies in the user manual.

2. SPECIAL CONDITIONS OF SAFE USE

(as defined by clause 29.2 (i) of EN 60079-0)

The conditions referenced in this section relate specifically to hazardous area applications and must be followed.

In accordance with clause 5.1 of EN 60079-1, the critical dimensions of the flamepaths are:

Flamepath	***Maximum Gap (mm)***	***Minimum L (mm)***
Main body/ cover	0.04	11.0
Main body/ battery pack	0.04	10.0
Front Lens/ main body	0.1	13.8
Top lens/ main body	0.1	13.8

- This equipment must only be used where there is a low risk of mechanical impact.
- The equipment is manufactured in aluminium alloy, in Group I applications this equipment must not be utilised where there is a risk of thermite reaction frictional ignition.
- The LaserMETER 3000XP must only be recharged in a non-hazardous area.
- Extreme Care should be taken to ensure that no damage occurs to the flamepath between battery and casing. Ensure dowel location pins are engaged fully before tightening locking screws.
- LaserMETER 3000XP incorporates a protected battery system with a replaceable fuse. This Fuse is only to be replaced with CorDEX Instruments Type CDX2341-120 fuse. Failure to do so will void the certification.
- Ensure that the LaserMETER 3000XP battery pack is secured using the screws provided. If the screws are lost, only replace with screws of the correct size and type. If in doubt, contact your nearest CorDEX Instruments representative.
- The LaserMETER 3000XP is manufactured from aluminium alloy with less than 7% magnesium by weight and incorporates toughened glass windows. This should be taken into account when considering the end use application.
- The LaserMETER 3000XP cannot be maintained in the field and must be returned to the manufacturer should repair or maintenance be required.

3. OPERATIONAL CAUTIONS

The cautions contained in this section do not relate specifically to safe use in hazardous area applications but should be followed to help prevent damage to the camera or personnel.

- Do not fire the Laser close to anyone's eyes. This might cause damage to the person's eyesight.
- Keep out of the reach of children.
- A Laser is a precision instrument. Do not drop it, strike it or use excessive force when handling the Laser. This might cause damage to the device.
- Do not wrap the Laser or place in cloth blankets.

4. CERTIFICATION

Model	LaserMETER 3000XP	
Certificate No:	Sira 08ATEX1293X	IECEX SIR 10.0133X
Certificate Type:	0518 CE  I/II M2/2 G Ex d I / Ex d IIC T4	
Ambient Temperature:	Tamb -20°C to +50°C	
Power Supply:	Battery Pack CDX2341-007	

EC Declaration of Conformity

We hereby confirm the conformity of the equipment listed below with the directives of the Council of the European Community. The safety and installation instructions of the product documentation must be observed.

Model	LaserMETER 3000XP
European Standards and Directives:	
Low Voltage Directive 73/23/EC	EN60950
94/9/EC	EN60079-0; EN60079-1

ATEX Certificate

IECEx Certificate