



EU Declaration of Conformity

In accordance with EN ISO 17050-1:2010

CE19

The product manufacturer and location of Technical Construction File,

Setra Systems, Inc
159 Swanson Road, Boxborough, MA 01719, USA
Tel: +1-978-263-1400 Fax: +1-978-264-0292

and the authorized representative established within the Community,

Hengstler GmbH
Uhlandstr. 49, 78554 Aldingen, Germany
Tel: +49-7424-890, Fax +49-7424-89500

herewith declare that the products as originally delivered:

Product Name and Model: DC950 Fiber Optic Illuminator
Model number: DC95X
Options: (X = alphanumeric numbers for different configurations)

comply with the essential requirements of the following applicable European Directives and carry the CE marking accordingly:

EMC Directive (2014/30/EU)
LVD (Low Voltage) Directive (2014/35/EU)
RoHS Directive (EU) 2015/863

The following standards were used to demonstrate compliance:

CISPR 11:2009+A1:2010	GROUP 1, CLASS A EMISSIONLIMITS
EN 61326-1:2013 & EN 61326-2-3:2013	INDUSTRIAL IMMUNITY REQUIREMENTS
EN 61000-4-2:2009	4 kV contact, 8 kV air
EN 61000-4-3:2006+A1:2008+A2:2010	10 V/m 80-1000MHz, 3 V/m 1.4-2GHz, 1 V/m 2-2.7GHz
EN 61000-4-4:2004+A1:2010	2 kV power lines, 1 kV signal/control lines
EN 61000-4-5:2006	2 kV Line-Ground, 1 kV Line-Line
EN 61000-4-6:2009	3V _{rms} , 0.15-80MHz, 1 kHz, 80% AM
EN 61000-4-11:2004	Voltage dip: 0% 1 cycle, 40% 10/12 cycles, 70% 25/30 cycles Short interruptions: 0% during 250/300 cycles

Safety Standard

EN61010-1:2012 3 rd Edition	Safety Requirements for Electrical Equipment for
CSA C22.2 No.61010-1:2012 3 rd Edition	Measurement, Control and Laboratory Use, Part 1:
UL 61010-1:2012 3 rd Edition	General Requirements

DoC Number: CE-DC950-F

I hereby declare that the product(s) named above have been designed to comply with the relevant sections of the above referenced standards. The product(s) comply with all applicable Essential Requirements of the Directives. Subject to correct installation, maintenance and use conforming to its (their) intended purpose, to the applicable regulations and standards, to our operation and maintenance manual, the product complies with the provision of the above mentioned European Directives.

July 25, 2019
Date

Eric Beishline
V.P. Engineering



EU Declaration of Conformity

In accordance with EN ISO 17050-1:2010

CE19

The product manufacturer and location of Technical Construction File,

Setra Systems, Inc
159 Swanson Road, Boxborough, MA 01719, USA
Tel: +1-978-263-1400 Fax: +1-978-264-0292

and the authorized representative established within the Community,

Hengstler GmbH
Uhlandstr. 49, 78554 Aldingen, Germany
Tel: +49-7424-890, Fax +49-7424-89500

herewith declare that the products as originally delivered:

Product Name and Model: MI-15x 230VAC Fiber Optic Illuminator
Model number: MI-15x
(x=alphanumerical numbers for different configurations)

comply with the essential requirements of the following applicable European Directives and carry the CE marking accordingly:

EMC Directive (2014/30/EU)
LVD (Low Voltage) Directive (2014/35/EU)
RoHS Directive (EU) 2015/863

The following standards were used to demonstrate compliance:

CISPR 11:2009+A1:2010	GROUP 1, CLASS A EMISSION LIMITS
EN 61326-1:2013& EN 61326-2-3:2013	INDUSTRIAL IMMUNITY REQUIREMENTS
EN 61000-4-2:2009	4 kV contact, 8 kV air
EN 61000-4-3:2006+A1:2008+A2:2010	10 V/m 80-1000MHz, 3 V/m 1.4-2GHz, 1 V/m 2-2.7GHz
EN 61000-4-4:2004+A1:2010	2 kV power lines
EN 61000-4-5:2006	2 kV Line-Ground, 1kV Line-Line
EN 61000-4-6:2009	3V _{rms} , 0.15-80MHz, 1 kHz, 80% AM
EN 61000-4-8:2009	30A/m 50Hz power magnetic field
EN 61000-4-11:2004	Voltage dip: 0% 1 cycle, 40% 10/12 cycles, 70% 25/30 cycles Short interruptions: 0% during 250/300 cycles

Safety Standard

EN61010-1:2012 3 rd Edition	Safety Requirements for Electrical Equipment for
CSA C22.2 No. 61010-1:2012 3 rd Edition	Measurement, Control and Laboratory Use, Part 1:
UL 61010-1:2012 3 rd Edition	General Requirements

DoC Number: CE-MI-150-F

I hereby declare that the product(s) named above have been designed to comply with the relevant sections of the above referenced standards. The product(s) comply with all applicable Essential Requirements of the Directives. Subject to correct installation, maintenance and use conforming to its (their) intended purpose, to the applicable regulations and standards, to our operation and maintenance manual, the product complies with the provision of the above mentioned European Directives.

July 25, 2019
Date

Eric Beishline
V.P. Engineering



EU Declaration of Conformity

In accordance with EN ISO 17050-1:2010

CE19

The product manufacturer and location of Technical Construction File,

Setra Systems, Inc
159 Swanson Road, Boxborough, MA 01719, USA
Tel: +1-978-263-1400 Fax: +1-978-264-0292

and the authorized representative established within the Community,

Hengstler GmbH
Uhlandstr. 49, 78554 Aldingen, Germany
Tel: +49-7424-890, Fax +49-7424-89500

herewith declare that the products as originally delivered:

Product Name and Model: LED Fiber Optic illuminator
Model number: MI-LED-XX-XX-XX
(X=alphanumerical numbers for different configurations)

comply with the essential requirements of the following applicable European Directives and carry the CE marking accordingly:

EMC Directive (2014/30/EU)
LVD (Low Voltage) Directive (2014/35/EU)
RoHS Directive (EU) 2015/863

The following standards were used to demonstrate compliance:

EMCStandard

CISPR 11:2009+A1:2010
EN61000-3-2:2006+A1:2009+A2:2009
EN61000-3-3:2013

EN 61326-1:2013 & EN 61326-2-3:2013
EN 61000-4-2:2009
EN 61000-4-3:2006+A1:2008+A2:2010
EN 61000-4-4:2004+A1:2010
EN 61000-4-5:2006
EN 61000-4-6:2009
EN 61000-4-11:2004

Limit

GROUP 1, CLASS B EMISSIONLIMITS
Harmonic Emissions, 0-2kHz Class A
Flicker Emissions, 0-2kHz Class A

BASIC IMMUNITY REQUIREMENTS

4 kV contact, 8 kV air
3 V/m 80-1000MHz & 1.4-2GHz, 1 V/m 2-2.7GHz
1 kV power lines
1 kV Line-Ground, 0.5 kV Line-Line
3V_{rms}, 0.15-80MHz, 1 kHz, 80% AM
Voltage dips and interruption

SafetyStandard

IEC61010-1:2010 3rd Edition
CAN/CSA C22.2 No. 61010-1-12 3rd Edition
UL 61010-1:2012 3rd Edition
IEC/EN62471 1st Edition

Safety Requirements for Electrical Equipment for
Measurement, Control and Laboratory Use, Part 1:
General Requirements
Risk Group 2 L_B < 4 000 000 w/(m².sr)

DoC Number: CE-MI-LED-D

I hereby declare that the product(s) named above have been designed to comply with the relevant sections of the above referenced standards. The product(s) comply with all applicable Essential Requirements of the Directives. Subject to correct installation, maintenance and use conforming to its (their) intended purpose, to the applicable regulations and standards, to our operation and maintenance manual, the product complies with the provision of the above mentioned European Directives.

July 25, 2019
Date

Eric Beishline
Eric Beishline
V.P. Engineering