

1 **EU - TYPE EXAMINATION CERTIFICATE**

2 **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres
Directive 2014/34/EU**

3 EU - Type Examination Certificate Number: **Baseefa17ATEX0012X**

4 Product: **Performax (IQ) Easy Ex (Speed) (Distance)**

5 Manufacturer: **Simco (Nederland) B.V.**

6 Address: **Aalsvoort 74, NL-7240 AB Lochem, Netherlands**

7 This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8 SGS Baseefa, Notified Body number 1180, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential Report No. **12(C)0348**

9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-0: 2012 + A11: 2013 EN 60079-18: 2015

except in respect of those requirements listed at item 18 of the Schedule.

10 If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

11 This EU - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

12 The marking of the product shall include the following :

⊕ II 2GD Ex mb IIB T4 Gb Ex mb IIB T135°C Db

Baseefa Customer Reference No. **2763**

Project File No. **12/0348**

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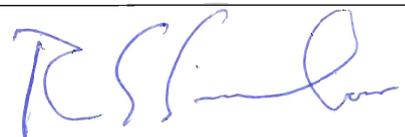
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R S SINCLAIR
TECHNICAL MANAGER

On behalf of SGS Baseefa Limited

13 **Schedule**

14 **Certificate Number Baseefa17ATEX0012X**

15 **Description of Product**

The Performax (IQ) Easy Ex, Performax (IQ) Easy Ex Speed, and Performax (IQ) Easy Ex Distance static bars are designed to neutralize electrostatically charged surfaces.

The main difference between these type static bars is their recommended use, mainly due to different emitter spacings. Optionally the bars can be mounted to different air knife versions to increase the ionisation distance further or to make it suitable for cleaning applications.

The bars are available in a minimum effective length of 90 through 2790mm in increments depending from the type of bar (emitter spacing).

All bars have an integrated high voltage power supply, resistively coupled ionizing emitters and a status LED and are connected with a 5-wire low voltage cable which optionally has a mechanical protection hose.

The IQ versions of the anti-static bar can be controlled and read out centrally and remotely via a RS-485 connection through the IQ Easy platform. With the IQ Easy platform it can also work together, for example, with a sensor IQ Easy to minimize the residual charge. Using the IQ Easy platform, the status of the bar can be logged making quality management easier.

Rated supply = 24V d.c. nominal.

RS-485 connection (IQ versions only), rated voltage = 5V.

"Remote on/off" input connection (non-IQ versions only), rated voltage = 30V d.c..

"HV_OK" output connection (non-IQ versions only), not for connection to voltage sources.

The equipment certification temperature range is 0°C to +40°C.

16 **Report Number**

12(C)0348

17 **Specific Conditions of Use**

1. The equipment must be supplied via a fuse rated 500mA capable of breaking a 1500A short circuit current.
2. The equipment must be installed in a manner that provides complete protection against impact.

18 **Essential Health and Safety Requirements**

In addition to the Essential Health and Safety Requirements (EHSRs) covered by the standards listed at item 9, the following are considered relevant to this product.

Clause Subject

1.2.8	Overloading of equipment (protection relays, etc.)	Covered by installation rules and manufacturer's instructions
1.3.1	Hazards arising from different ignition sources	A spark test was carried out, see report 12(C)0348 B.6.
1.4.1	External effects	The Purchaser should make the manufacturer aware of such issues. Covered in Instructions
1.4.2	Aggressive substances, etc.	The Purchaser should make the manufacturer aware of such issues. Covered in Instructions

19 **Drawings and Documents**

Drawing No.	Sheet	Issue	Date	Document Title
R-0307	1	H	17-09-2013	Schematic "Performax Easy ATEX, SMPS N"
R-0307	1 & 2	K	March 30, 2017	Bill of Materials "Negative SMPS PCB Performax Easy Ex"

Drawing No.	Sheet	Issue	Date	Document Title
R-0308	1	J	14-04-2015	Schematic "Performax Easy ATEX, SMPS P"
R-0308	1 & 2	N	March 30, 2017	Bill of Materials "Positive SMPS PCB Performax Easy Ex"
R-0308	1 & 2	N	March 30, 2017	Bill of Materials "Positive SMPS PCB Performax Easy Ex / IQ"
R-0311	1	N	18-10-2015	Schematic "Performax Easy ATEX / IQ uC PCB"
R-0311	1 & 2	R	March 30, 2017	Bill of Materials "uC PCB Performax Easy Ex / IQ"
R-0312	1	J	23-05-2017	Performax Easy ATEX Block Diagram
R-0352	1	C	19-10-2016	Schematic "Performax Easy ATEX / IO uC PCB"
R-0352	1 & 2	F	March 30, 2017	Bill of Materials "uC PCB Performax Easy Ex / IO"
14801000	1	-	3-5-2017	Typhoon Air Knife with Performax (IQ) Easy Ex Bar
15301100	1	-	4-5-2017	Performax (IQ) Easy Ex with Air knife 6" to 24"
15301110	1	-	4-5-2017	Performax (IQ) Easy Ex with Air knife 30" to 72"
15301900	1	I	31-1-2017	Performax Easy (IQ) Ex
15301910	1	E	24-04-2015	Thermal Fuses Performax (IQ) Easy Ex
15303020	1	C	31-1-2017	Nameplate Performax Easy Ex (IQ)
15303080	1	-	5-5-2017	Modified Cap "DE" Performax Easy Ex
15303090	1	-	5-5-2017	Modified Cap "CE" Performax Easy Ex
15304030	1	E	31-05-2017	Aluminum Extrusion Profile Performax Easy Ex
15304040	1	K	18-4-2017	Profile Innerpart Performax Easy Ex
15304050	1	E	9-1-2017	Side Profile Performax (IQ) Easy Ex Grey PA
15304051	1	-	26-04-2013	Side Profile Performax (IQ) Easy Ex Blue PVC
15304060	1	D	19-12-2013	Cap "CE" Performax Easy Ex
15304070	1	C	09-12-2013	Cap "DE" Performax Easy Ex
15304200	1	A	02-04-2014	Resistor With Ion Pin Performax IQ 2 (on adhesive tape)
15304351	1	A	20-04-2015	ATEX Ref. PCB Performax Easy Ex R-0307
15304356	1	B	25-06-2015	ATEX Ref. PCB Performax Easy Ex R-0308
15304361	1	B	25-10-2016	ATEX Ref. PCB Performax Easy Ex R-0352
15304362	1	B	25-10-2016	ATEX Ref. PCB Performax Easy Ex R-0311
15304410	1	B	26-4-2017	Light Guide Glass, Performax Easy Ex
90062557	1	A	30-07-2013	Resin Wevopur PU 552 FL (black)
90062558	1	-	25-10-2016	Resin Araldite CW1302
90062700	1	A	30-07-2013	Hardener Wevonat 700
90062701	1	-	25-10-2016	Hardener Aradur HY1300