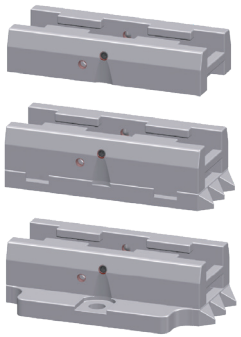
Sensor IQ Easy

A sensor that measures the electrostatic charge of a web can be added to the IQ Easy platform. The Sensor IQ Easy is a bar type device that can hold op to 16 sensor heads. Each sensor head can be placed on a strategical position across the web to monitor the electrostatic charge. All data of each sensor head is communicated to the Manager IQ Easy and stored for process monitoring. For dirty environments or for precautionary protection of the sensor heads, the Sensor IQ Easy bar is equipped with a compressed air connection. Using only a very low pressure and air volume dirt entering the orifice of the sensors is prevented. IQ anti-static bars or IQ charging generators in the system can act on data received from a sensor. This makes it possible to control the static charge level on the web in real time using a closed loop feed back and correction routine. Data received from the Sensor heads can also be used for quality control and process monitoring. It can be retrieved from the Manager IQ Easy through the standard Ethernet port.

Features

- Full web width charge monitoring
- Up to 16 sensors
- Air purge to keep sensors clean



Universal mounting brackets

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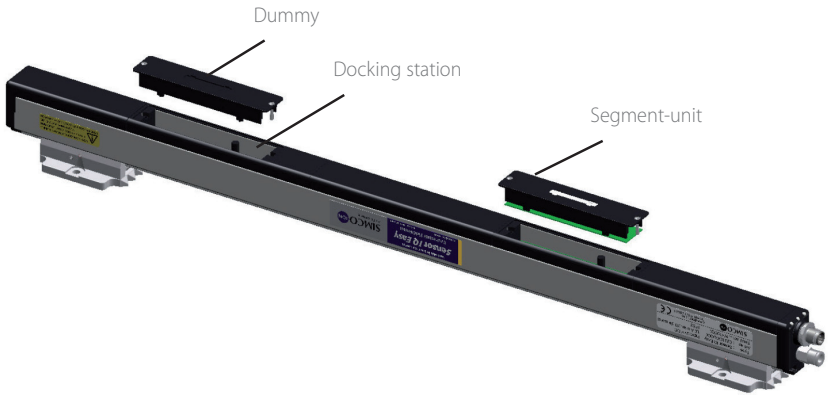
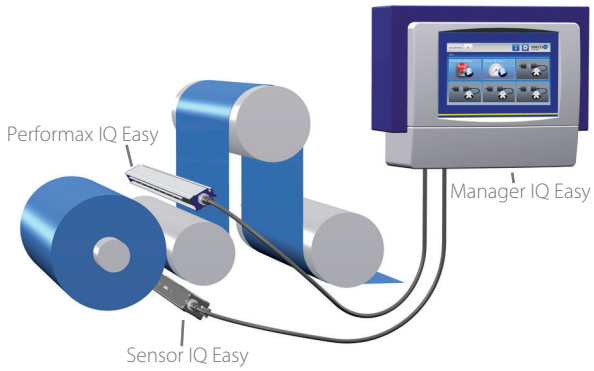
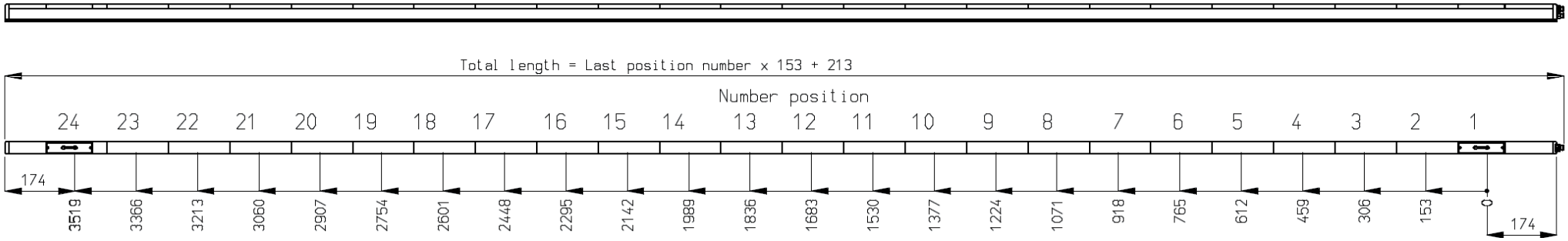
Technical specifications

Working distance	50 - 100 mm
Housing material	(Reinforced) plastic
Cable	Low voltage
Connector	Standard M12 5 pins male
Weight	1,5 kg/m
Ambient temperature	0-55 °C
Use circumstances	Industrial
Input power	24 V DC, <0,5A (8 sensors) 24 V DC, <1A (16 sensors)
Indication	3 LED's (Power, Warning, Alarm)
Measuring range	± 80 kV
Options	Air purge to keep sensors clean 1-16 sensors
Max. pressure	1 bar
Accuracy	@ <100 mm 10% @ >100 mm 20%
Sampling rate	50 ms

The Sensor IQ Easy is at least 366 mm long and can be up to 3885 mm long.
When you want to order the Sensor IQ Easy, the desired length must first be determined. After that, you have to mark the positions on which a docking station has to be placed (up to 24 docking stations are possible), and then you have to determine on which positions a segment unit (sensor) has to be placed (up to 16 segment units are possible).
This can be indicated on the product drawing that you can download at:
www.simco-ion.co.uk/our-products/static-measuring/sensor-iq-easy.





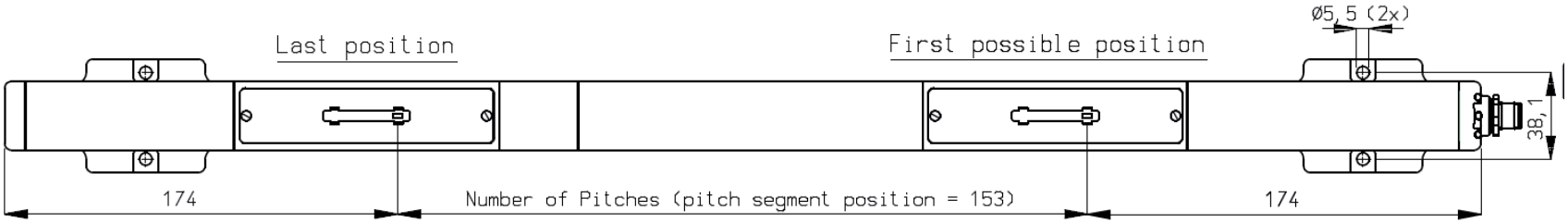


Position Number	Total length
1	366
2	519
3	672
4	825
5	978

Position Number	Total length
6	1131
7	1284
8	1437
9	1590
10	1743

Position Number	Total length
11	1896
12	2049
13	2202
14	2355
15	2508

Position Number	Total length
16	2661
17	2814
18	2967
19	3120
20	3273

Position Number	Total length
21	3426
22	3579
23	3732
24	3885

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