

**1 Introduction - Tork EasyCube™**  
Tork EasyCube delivers actionable washroom insights through a web user interface. The service consists of Tork dispensers equipped with sensors that communicate the dispenser status and refill needs to a cloud based system, made available for different roles such as a facility manager or cleaning staff. The system as well includes visitor registration units that can count people passing into a washroom area.

Figure 1. Each dispenser is wirelessly connected to an information system that can be utilized by both a Facility Manager as well as cleaning staff, in order to facilitate more efficient work planning.

The system runs on the same battery as the dispenser, no additional battery is needed. Installation of the system is done by an external professional installation company.

**3.4 Tork EasyCube Visitor Registration Unit (VRU)**  
The service consists of Tork dispensers equipped with sensors that communicate the dispenser status and refill needs to a cloud based system, made available for different roles such as a facility manager or cleaning staff. The system as well includes visitor registration units that can count people passing into a washroom area.

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**3.5 Tork EasyCube Data Collection Unit (DCU)**  
At any point in time the system will provide a quick overview of the status of the installed dispensers through a web based dashboard. Instantly the user of the web application, for example a facility manager, will be able to spot if dispensers are about to become empty.

Figure 2. Status red indicates very soon out-of-paper and Yellow indicates a half-full dispenser. Status green needs no attention. Add a dashboard measurement of a critical location to track its usage.

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**3.6 Several DCUs**  
In order to cover larger areas, several DCUs may be needed. As each DCU has communication capabilities with the back end server, they can be installed over a large area with no requirements of in-between communication.

Figure 3. The different components used for the Tork EasyCube solution

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**3.7 Tork EasyCube Sensor Communication Unit (SCU)**  
The SCU unit is added to a special slot within the dispensers. The SCU unit is a communication gateway for all the sensors that have been paired with it. The unit collects and processes incoming sensor data.

Figure 4. Sensor card found inside dispenser

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**3.8 Tork EasyCube Sensors**  
A selected range of Tork dispensers is prepared to be equipped with sensor technologies to optimize the function, depending on the field of use. There are three different sensor technologies used within Tork washrooms and the cleaned.

Figure 5. The battery operated, touch free Tork San Soap Dispenser

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**3.9 Tork EasyCube Data Collection Unit (DCU)**  
The DCU unit is a communication gateway for all the sensors that have been paired with it. The unit collects and processes incoming sensor data.

Figure 6. Visitor registration unit

The system runs on the same battery as the dispenser, no additional battery is needed. Installation of the system is done by an external professional installation company.

**3.10 Tork EasyCube Sensor Communication Unit (SCU)**  
The SCU unit is a communication gateway for all the sensors that have been paired with it. The unit collects and processes incoming sensor data.

Figure 7. DCU gateway

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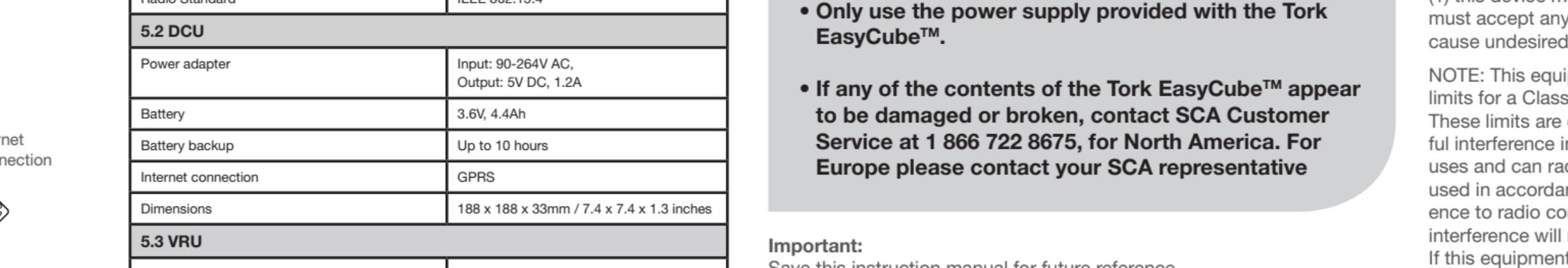


factured for  
Tissue North America LLC  
delphia, PA 19104

factured by SCA  
50 03 Göteborg, Sweden  
[sca-tork.com](http://sca-tork.com)  
in Sweden (sensors, data collection units,  
registration units),  
in Poland (foam soap in stainless)

The sensors send data to the DCU.  
The DCU is configured for Tork dispensers.  
e.g. Almost Empty, Time for Refill and so on.  
If any of these events occurs, the DCU forwards the information to the back-end where all data is processed.

Frequency	2.405 GHz



Battery	3.6V, 2.1Ah
Dimensions	158 x 23 x 23mm / 6.2 x 0.9 x 0.9 inches
<b>5.2 SCU</b>	
Sensors	Light
Battery	3V, 500mAh

If any changes to the installation are necessary, please contact SCA for support. No modification of this equipment is allowed. Tork EasyCube™ must be returned to SCA after the end of its service life.

**FCC:**  
Changes or modifications to the equipment not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**IC:**  
This device complies with IC RSS-247.  
Operation is subject to the following conditions:  
(1) This device may not cause harmful interference.  
(2) This device must accept any interference received, including interference that may cause undesired operation.

Dimensions 62 x 50 x 6mm / 2.4 x 2.0 x 0.2 inches

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## ditions

Devices shown

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