

## **S1. ONLINE SUPPLEMENT: FEATURES OF THE SMARTTURBO™**

### **MONITOR**

<b>Weight</b>	20 grams, excluding Turbuhaler
<b>Size</b>	40mm diameter x 26mm height, excluding Turbuhaler
<b>Actuation log time division resolution</b>	1 second
<b>Actuation log capacity</b>	6144 actuations and device status records
<b>Internal clock accuracy</b>	± 20 minutes after 12 months. Note the SmartTurbo™ clock is updated every time data is uploaded to Nexus6 software
<b>Wireless technology</b>	Bluetooth 4.0
<b>Battery type</b>	Lithium coin cell
<b>Battery life</b>	3 year battery shelf life and 12 month service life
<b>Operating temperature</b>	0 to 40 degrees Celsius
<b>Storage temperature</b>	-20 to 60 degrees Celsius
<b>Operating/storage humidity</b>	15 to 95% room humidity (non-condensing)

## **S2. ONLINE SUPPLEMENT: DETAILED DATA TABLES BY**

### **FACTOR POTENTIALLY AFFECTING ACCURACY**

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#### **LOW VS HIGH-USE PATTERNS**

##### **Low**

	Written diary actuation log	
<b>Monitor electronically recorded actuation</b>	Yes	No
Yes	878	3
No	2	

##### **High**

	Written diary actuation log	
<b>Monitor electronically recorded actuation</b>	Yes	No
Yes	1918	0
No	2	

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#### **PERIOD**

##### **Day zero**

	Written diary actuation log	
<b>Monitor electronically recorded actuation</b>	Yes	No
Yes	80	3
No	0	

**Days 1-28**

	Written diary actuation log	
<b>Monitor electronically recorded actuation</b>	Yes	No
Yes	1918	0
No	2	

**Days 29-56**

	Written diary actuation log	
<b>Monitor electronically recorded actuation</b>	Yes	No
Yes	399	0
No	1	

**Days 57-84**

	Written diary actuation log	
<b>Monitor electronically recorded actuation</b>	Yes	No
Yes	399	0
No	1	

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**UPLOAD DELAY****Data with upload on same day**

	Written diary actuation log	
<b>Monitor electronically recorded actuation</b>	Yes	No
Yes	2397	3
No	3	

**Data with delayed upload (actuators on Day 56, upload on Day 84)**

	Written diary actuation log	
<b>Monitor electronically recorded actuation</b>	Yes	No
Yes	399	0
No	1	

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**ATTACHMENT OF TURBUHALER TO MONITOR PRIOR TO TESTING AND ON DAY OF TESTING**

**No attachment**

	Written diary actuation log	
<b>Monitor electronically recorded actuation</b>	Yes	No
Yes	1917	0
No	3	

**Attachment (Days zero, 28 and 56)**

	Written diary actuation log	
<b>Monitor electronically recorded actuation</b>	Yes	No
Yes	879	3
No	1	