

# PRODUCT INFO SHEET

## NEO 2 Smart

Last updated: October 19, 2018

### PRODUCT INFO

Product name	NEO 2 Smart					
SKU code	T2850					
MOQ	1					
Packaging (box/card)	Box					
EAN product	8714895055145					
EAN MOQ	8714895055145					
Product category	A					
Country of origin	NL					
Dimensions (LxBxH)(cm-in)	67,0	48,0	25,0	26,4	18,9	9,8
Dimensions MOQ (LxBxH)(cm-in)	67,0	48,0	25,0	26,4	18,9	9,8
Weight	24,8	kg		54,7	lbs	
Weight MOQ	24,8	kg		54,7	lbs	

### SRP PRICING

EURO	USD	CAD	GBP	AUD	NZD	CHF	NOK	DKK
1299,00	1399,00	1899,00	1199,00	1899,00	2299,00	1540,00	12819,00	9999,00

### FEATURES, PROPERTIES & REQUIREMENTS

Trainer type	Direct drive		
Trainer category	Smart		
Resistance unit type	Motor		
Power supply	110-240V		
Axle and bike compatibility	Race 130mm, MTB 135mm, 142x12mm, 148x12mm		
Cassette and wheel compatibility	Shimano & SRAM: 8 t/m 11 speed		
Descent simulation	Yes	Road feel	Yes
Dynamic inertia	Yes	Firmware upgradable	Yes
Calibration requirement	No	Internal gearing	No
LED indicators	Yes	Pedal stroke analysis	Yes
Isokinetic and Isotonic	Yes	Plug-in / plug-out	Yes

### SPECIFICATIONS

Max. power (sprint)	2200 Watt					
Max. incline	25%					
Max. torque	85Nm					
Max. brake force	250N					
Power accuracy measurement	< 1%					
Noise comparison [1-5]	1 (1 is silent, 5 is loudest)					
Weight flywheel	0	kg		0,0	lbs	
Mass inertia	125,0	kg		275,6	lbs	
Weight product	21,5	kg		47,4	lbs	
Dimensions product (lxbxh)	57,5	75,0	55,0	22,6	29,5	21,7
Dimensions product folded	62,0	26,0	44,0	24,4	10,2	17,3

### DATA OUTPUT & CONTROL

Wireless connections	ANT+ FE-C, Bluetooth Smart open
Control	Interactive
Data output	Speed, cadence and power

### CONTENTS OF PACKAGING

NEO Smart, power adapter, power cable, quick release (5mm), 142x12mm adapter kit, assembly kit, manual, skyliner

## DESCRIPTIONS

<b>Slogan (Max. 4 words)</b>	The best just got better
<b>Description (Max 100 words)</b>	<p>The renewed and improved NEO 2 Smart is the pinnacle of indoor trainers and without question the most silent, realistic and accurate bike trainer available. On top of the immersive features like Road feel, Dynamic Inertia and Descent simulation, this new premium direct drive trainer also features Pedal stroke analysis. This enables you to improve your power distribution and cycling performance significantly. In addition, we surpassed ourselves by making the most silent trainer on the market even more silent!</p>
<b>Long description part 1</b>	<p>The NEO 2 Smart is the pinnacle of bike trainers. Still the most realistic and accurate trainer to date, but now renewed and improved. We surpassed ourselves by making the most silent trainer on the market even more silent. On top of immersive features like Road feel, Dynamic Inertia and Descent simulation, this new direct drive trainer also features Pedal stroke analysis. Enabling you to improve your power distribution and cycling performance.</p> <p>We've equipped the NEO 2 Smart with an improved and faster chipset, enabling a smoother and more responsive control of the NEO motor. This results in a more quiet indoor cycling experience and paves the way for new and immersive features. With the new Pedal stroke analysis feature you can improve your power distribution and cycling performance. We've made this possible by adding a capacitive left and right detection sensor, enabling this bike trainer to measure the exact position of both your legs.</p>
<b>Long description part 2</b>	<p>The familiar NEO Smart features are still there. Like Road Feel, with which you experience the vibrating sensation of riding on cobblestones, gravel and many other road surfaces (in Tacx Films and Zwift). And that exciting feeling of accelerating into a descent after you've reached the top of a mountain, simulated with the Descent simulation feature. Also, like the NEO, it is equipped with Dynamic inertia. In contrast to the mass inertia of a flywheel, Dynamic inertia compensates for weight, speed and angle of inclination, improving the cycling feeling significantly. With the Isokinetic and Isotonic training modes you train on a fixed power or speed to improve your pedal stroke. These modes are available for free in the Tacx Utility app.</p> <p>This trainer is equipped with the same powerful resistance unit as the NEO, being able to simulate incline gradients up to 25% and sprints up to 2200 Watts. What differentiates the NEO series from other trainers is the maximum resistance when cycling at low speeds, small gears and very steep climbs. Enabling realistic hill climb simulations. Also, one of the key benefits is that there is no need for maintenance and calibration. In contrast to all other indoor trainers and direct drives, there are no physical transmissions (like a belt) or other internal or external influencers on the power measurement. It measures your power across the entire operating range accurately within 1%, making sure you that your data is accurate and reliable.</p>

### Long description part 3

The NEO 2 Smart is a fully interactive Smart trainer. It measures your speed, cadence and power, and can be controlled by Tacx and 3rd party applications. The trainer connects wirelessly via ANT+ (FE-C) and Bluetooth, allowing you to train with your favourite cycling applications. The intuitive LED's on the side of this trainer show when it's powered and connected to a device over ANT+ or Bluetooth and whether it's connected to mains power. The power indicator underneath the trainer changes colour based on your training intensity. Updating the firmware to the latest version can be done easily with the free Tacx Utility app, so you can always make use of the latest improvements and features. The Smart electronics also allow you to train stand alone, without any software connections. The resistance follows a progressive power curve, in accordance with cycling on a flat road. Speeding up means an increase of resistance.

The NEO 2 Smart doesn't require an external power source as it generates its own energy from your cycling movement. Therefore you can train anywhere you want, like on holiday or a training camp! Its frame allows for a few degrees of movement to the left and right while cycling, so it follows the natural course of your body, improving the cycling feeling. The frame is easily foldable to a small size and when folded, the legs act as two handles for easy transportation. By supplying this direct drive trainer with extra axle adapters, the axle compatibility significantly increased. This bike trainer is compatible with 142x12mm and 148x12mm, straight out of the box.

## UNIQUE SELLING POINTS

<b>Improved axle compatibility [NEW]</b>	By supplying the NEO 2 Smart with extra axle adapters, the axle compatibility significantly increased. The NEO 2 Smart is compatible with 142x12mm and 148x12mm, straight out of the box.
<b>Improved quietness due to improved electronics [NEW]</b>	We redesigned the internal electronics completely. A new, improved and faster chipset allowed for a smoother and more responsive control of the NEO motor. Resulting in a more quiet cycling experience and paving the way for new and immersive features.
<b>Pedal stroke analysis &amp; left and right measurement [NEW]</b>	By adding a capacitive left and right detection sensor, this bike trainer is now able to measure the exact position of both your legs. This allows for a detailed and accurate pedal stroke analysis enabling you to improve your power distribution and cycling performance.
<b>Dynamic inertia</b>	Dynamic inertia is developed to control the mass inertia (ride feel) as realistic as possible. In contrast to the mass inertia of a flywheel, Dynamic inertia compensates for weight, speed and angle of inclination. This ensures the most realistic ride feel.
<b>Road feel</b>	Experience the vibrating sensation of riding on cobblestones, gravel and many other road surfaces. This immersive feature is unique to the NEO 2 and can be used with Tacx Films and Zwift.
<b>Descent simulation</b>	At the top of a hill or mountain there is always that exciting feeling of accelerating into a descent. Exactly that feeling is what this bike trainer gives you. The NEO 2 Smart accelerates in a descent.
<b>Most silent trainer</b>	Definitely the most silent trainer available. With the NEO 2 Smart we have revolutionized the market by creating something that was perceived impossible: a completely silent trainer.
<b>Self powered</b>	The NEO 2 Smart doesn't require an external power source as it generates its own energy from your cycling movement. This direct drive trainer can easily be used anywhere you like. When connected to an external power source the Descent simulation feature is enabled.
<b>Fully connected</b>	The NEO 2 Smart connects wirelessly via ANT+ (FE-C) and Bluetooth, allowing you to train with your favourite cycling application.
<b>Isokinetic and Isotonic mode</b>	Training for an even pedal stroke is difficult. The same goes for building power in your stroke by training at a high wattage and low cadence. This is why we have developed the Isokinetic and Isotonic training modes for the NEO 2 in the Tacx Utility app.
<b>Maintenance free</b>	There is no maintenance, no calibration and there are no adjustment required.
<b>LED intensity indicators</b>	Responsive LED lights on the trainer change colour from green to red based on your training intensity.
<b>Flexible frame</b>	The design of the NEO 2 Smart allows a few degrees of movement to the left and right while cycling. Its frame follows the natural course of your body, bringing you a certain freedom of movement that improves the cycling feeling.

<b>Foldable frame</b>	The NEO 2 Smart frame is easily foldable to a small size of 620x260x440 mm (24.4x10.2x17.3 in). When folded, the legs of the NEO 2 Smart act as two handles for easy transportation.
<b>Accurate and reliable</b>	The Tacx NEO 2 Smart measures your power with incredible precision, making sure you that your data is accurate and reliable. This Smart trainer is the only trainer that doesn't require a calibration process. This Smart trainer measures your power accurately within 1%.
<b>No calibration</b>	The NEO 2 Smart is the only trainer that doesn't require a calibration process. In contrast to other trainers, there are no internal or external influencers on the power measurement. Across the entire operating range the power measurement is reliable and accurate.
<b>Powerful</b>	The NEO 2 Smart is equipped with a very powerful resistance unit, being able to simulate incline gradients up to 25% and sprints up to 2200 Watts. What differentiates the NEO 2 Smart from other trainers is the maximum resistance when cycling at low speeds, small gears and very steep climbs. This enables realistic hill climb simulations.
<b>Stand alone</b>	The smart electronics of the NEO 2 Smart allow you to train stand alone, without any software connections. The resistance follows a progressive power curve, in accordance with cycling on a flat road. Speeding up means an increase of resistance.
<b>Firmware updates</b>	With the Tacx Utility app you can easily update the firmware of the NEO 2 Smart to the latest version, so you can always make use of the latest improvements and features. You'll get notified when an update is available.
<b>Interactive smart</b>	The NEO 2 Smart is a fully interactive Smart trainer. Measuring speed, cadence and power, but can also be externally controlled by software applications.
<b>Connection indicators</b>	Intuitive LED's on the side of the NEO 2 Smart show when the trainer is powered and connected to a device over ANT+ or Bluetooth.

SPARE PARTS		
SKU number	Description	Category
S2800.01	Fitting kit NEO Smart	SM
S2800.03	Skyliner, NEO Smart	SM
S2800.04	NEO power adapter	SM
S2800.05	Rubber cap set, NEO	SM
S2800.08	Neo Smart Styrofoam packaging	S0
S2850.01	Manual Set, NEO 2 Smart	S0
S2850.02	Housing NEO Smart	S0
S2850.03	Neo Smart packaging	S0
S2850.04	NEO 2 Smart resistance unit	SM
S0012	SHIMANO/SRAM body set	S0

N/A: Information will be available soon