

# Product Data Sheet – ODFS® Pace XL v1.0



### Application

- Functional Walking Aid
- Helps correct dropped foot
- Neuro-rehab tool
- Exercise stimulator with separate parameters to walking mode

### Features

- Wireless Footswitch triggering option
- Small design
- Digital design
- Easy user interface
- Presets for different muscle groups
- Programmable exercise mode
- Data logging facilities
- Onboard sounder
- Different carry options
- No computer necessary for setup

### Benefits

- Reduces number of wires
- Faster, more convenient setup
- Reduce falls and tripping
- Improve confidence when walking
- Improve walking pattern

	<p><b>EVIDENCE</b></p> <ul style="list-style-type: none"> <li>▪ Recommended by NICE. IP Guidance Number: IPG278</li> <li>▪ Recommended by RCP</li> <li>▪ ODFS® have been used to successfully help thousands of people</li> </ul>	<p><b>APPROVAL</b></p> <ul style="list-style-type: none"> <li>▪ CE Mark (Registered firm 0086)</li> </ul> <p><b>Wireless Module Used:</b></p> <ul style="list-style-type: none"> <li>▪ EC-R&amp;TTE certified (CE681)</li> <li>▪ FCC CFR Part 15 (USA)</li> </ul>
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## Intended Use

The ODFS® Pace (XL) is intended to be used for the alleviation of neurological injury or handicap due to upper motor neurone disease or injury including stroke, multiple sclerosis incomplete spinal cord injury (T12 and above), head injury, cerebral palsy, Parkinson’s disease and hereditary spastic paraparesis. Electrical stimulation is triggered from a switch input or cyclically during an exercise program. Gait events are detected by a wired or wireless footswitch.

The primary application is as a long term orthotic aid for the correction of dropped foot for both adult and paediatric individuals. Other movement deficits can be addressed by stimulation of additional

muscle groups, singularly or in conjunction with the correction of dropped foot, for the purpose of functional movement training and / or gait assistance.

The ODFS® Pace (XL) may also strengthen muscles, reduce spasticity, increase range of movement, reduce oedema and increase local blood flow.

The ODFS® Pace (XL) is designed for use in home healthcare / residential and hospital / healthcare environments.

The ODFS® Pace (XL) should be supplied and setup by a clinician who has attended an Odstock Medical Limited training course.

## Product Technical Specification

Output amplitude:	10 to 100mA +/- 10% or 3mA (which ever is greater) into a 1k ohm load
Frequency:	20 to 60 Hz in 5 Hz steps
Pulse width:	0 - 360 µs in 3.6 µs steps
Output times:	0 to 6 seconds in 50 ms steps
Delay:	0 to 2 seconds in 50 ms steps
Ramping times:	0 to 2 seconds in 50 ms steps
Extension times:	0 to 2 seconds in 50 ms steps
Output waveform:	Symmetrical or Asymmetrical biphasic passive charge balanced.
Exercise duration:	5 to 100 minutes in 5 minute steps. Unlimited / no time out option.
Exercise on period:	1 to 10 seconds in 1 second steps
Exercise off period:	1 to 10 seconds in 1 second steps
Exercise ramp time:	1 to 10 seconds in 1 second steps
Battery:	LiPo Rechargeable PP3, 9V
Battery life:	1-3 days
Size	72 x 62 x 26 mm
Weight:	75g excluding battery
Frequency Band:	2.4-2.483GHz (2.4GHz ISM Band)
Wireless module FCC:	S4GEM35XA
Wireless Compliance:	The ODFS® Pace XL uses a Telegesis ETRX357 module which “has been designed to meet all national regulations for worldwide use. The Telegesis ETRX357 wireless module used is EC-R&TTE certified (CE681) and complies with FCC CFR Part 15 (USA) meeting the requirements for modular transmitter approval as detailed in the FCC public notice DA00.1407.transmitter
Equipment type:	Type BF

Excepted Service life: 5 years

## **Manufactured by**

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