TABLE OF CONTENTS

Welcome	2
Intended Use	4
The MX3 Hydration Testing System	5
The MX3 Device	6
The MX3 Hydration Sensor	7
The MX3 Sensor Dispenser	8
Local Measurements	10
The MX3 App	13
App Measurements	14
Sample Collection Recommendations	16
Interpreting Measurements	17
Trouble Shooting	18
Frequently Asked Questions	19
Contact Us	21

WELCOME

Thank you for choosing MX3 Diagnostics!

This manual will guide you through the basics of the MX3 Hydration Testing System for measuring and tracking hydration status in groups and individuals.

MX3 believes that our customers should have the ability to perform medical grade testing whenever and wherever they choose. Our first product offering is this Hydration Testing System. We believe it will transform the way you think about hydration and its effect on human performance and overall health.

The MX3 Diagnostics Team

MX3
HEALTH ANALYTICS ANYTIME

INTENDED USE

Proper hydration is an important factor in human cognitive and physical performance. For individuals who must perform and react under pressure, such as athletes and warfighters, hydration status is important to measure and track. Until MX3 there has not been an easy and quick method for doing so.

The MX3 Hydration Testing System (MX3 System) uses patent-pending biometric and microfluidic technology to measure hydration status in individuals rapidly and cost effectively. The MX3 System calculates salivary osmolarity (SOSM) using a micro-sample of saliva from the tongue.

Research proves that SOSM is a very useful measure of hydration, as it indicates the proportion of water and key electrolytes in saliva. Until now, SOSM testing has been time consuming and required expensive laboratory equipment.

With MX3, SOSM testing becomes easy. Unlike other commonly used methods for hydration assessment, such as urine specific gravity or body mass loss, MX3's technology is non-invasive and can be used anytime, anywhere, on demand.

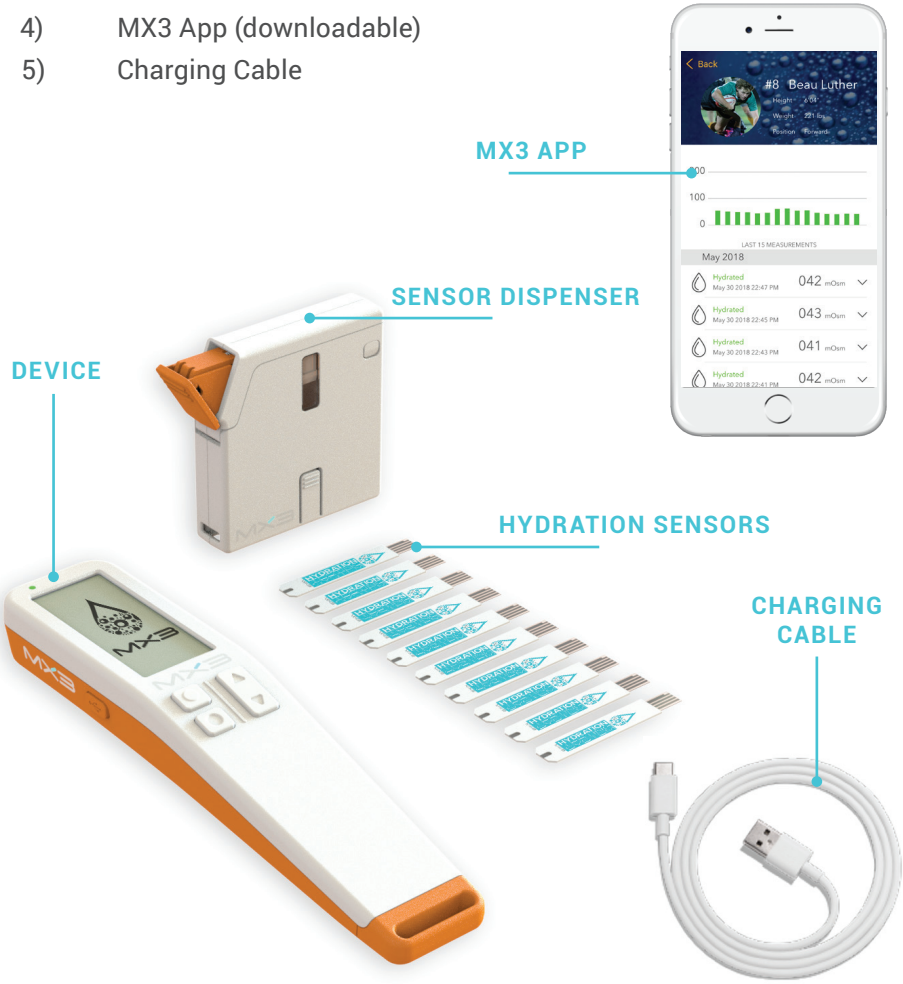
MX3 measurements can be taken and viewed in real time directly on the MX3 Device. Each measurement is also uploaded wirelessly to the MX3 App and stored to be viewed in a more detailed and historical analysis.

The MX3 App allows users to track and view current and historical trends that can offer a wider analysis of hydration's impact on individual or group performance, recovery, and other factors.

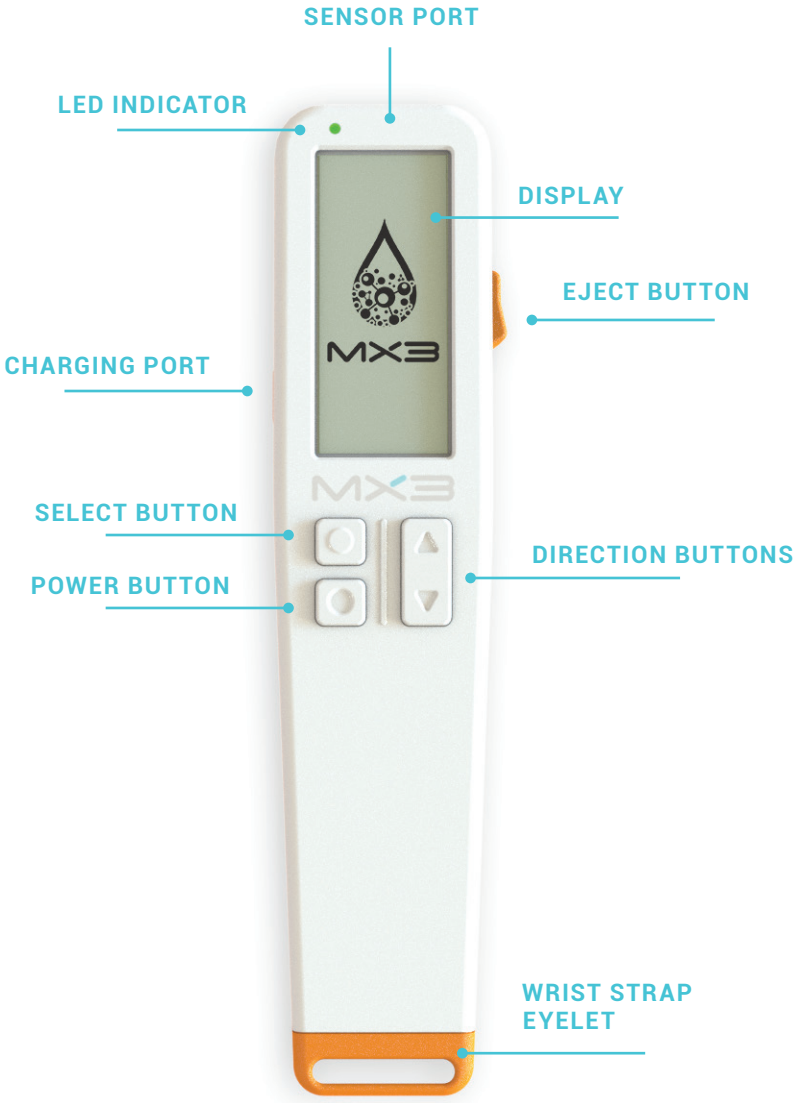
THE MX3 HYDRATION TESTING SYSTEM

The MX3 System consists of five components:

1) MX3 Device
2) MX3 Hydration Sensors
3) MX3 Sensor Dispenser
4) MX3 App (downloadable)
5) Charging Cable



THE MX3 DEVICE



This product complies with FCC Part 15.247 as a DTS device.
For further information see page 20.

THE MX3 HYDRATION SENSOR

MX3 Hydration Sensors are single-use disposable test strips that use microfluidic technology to sample saliva and make SOSM measurements via the MX3 Device.

To perform a measurement, the user will insert the sensor into the sensor port (as shown below) and then will be prompted to take a saliva sample at the sample port.

THE MX3 SENSOR DISPENSER

The MX3 Sensor Dispenser can store up to 50 MX3 Hydration Sensors. The dispenser offers an easy to use storage solution and a seamless transfer of the sensor into the MX3 Device, minimizing potential contamination of sensors due to manual handling, particularly when making multiple or group measurements in the field.

TAKING MEASUREMENTS

LOCAL MEASUREMENTS

The MX3 Device may be used in LOCAL mode to take measurements without using the App. To take a measurement in local mode follow these steps:

1. Turn on MX3 Device by pressing the power button briefly.

2. Use the direction button to highlight LOCAL and press select.

5. Read MX3 SOSM hydration level. The reading will be displayed until the sensor is removed.

6. Eject and dispose of the sensor by pressing the eject button on the side of the Device.

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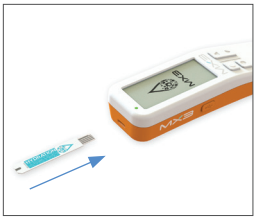
Insert MX3 Sensor into the sensor port, with label facing up.



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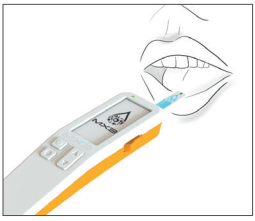
Position tongue upward against lower lip. Place tip of sensor in between tongue and lip to collect saliva sample. Hold until a tone sounds.



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To power off Device, press and hold power button until LED light turns off.