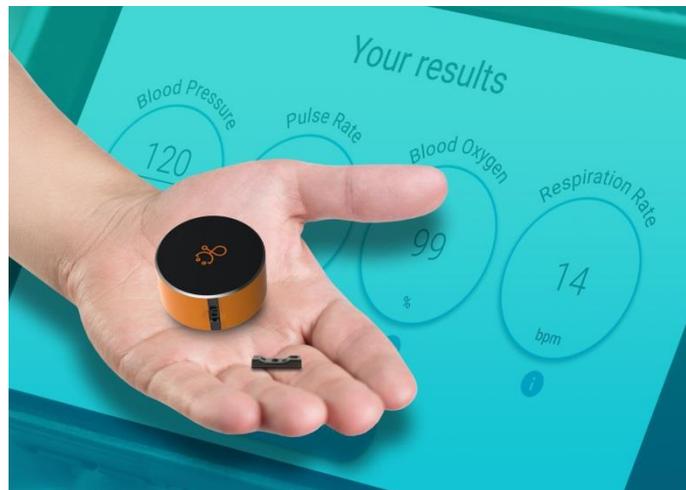


***Embargoed until 11 January 2021***

**CES2021**

**LMD announces partnership to create pocket-sized standalone device with V-Sensor™ that delivers clinically-accurate personal blood pressure via Bluetooth to smartphones**

*First-ever cuffless, calibration-free miniature device delivers results in seconds; also measures other vital signs; on market mid-2021*



*Minshi device with V-Sensor (V Sensor also shown separately). Clinically-accurate vital signs measurements shown on smartphone app. (For high-res, please contact BWW Communications)*

January 11, 2021, Lausanne, Switzerland: Leman Micro Devices announces a partnership with Shanghai Minshi, a cutting-edge technology device designer and producer, and Bluetooth technology company WuQi, also based in Shanghai, China. The collaboration between the three companies will produce the world's first-ever key fob-size standalone device that delivers clinically-accurate vital signs measurements, including blood pressure, wirelessly to a smartphone.

The standalone Minshi key-fob incorporates LMD's patented V-Sensor™, plus a battery and a small Wuqi computer chip which links via Bluetooth to a dedicated app on a smartphone. The circular device measures 5cm in diameter by 2.5cm deep, fits neatly into the palm of the hand and can be attached to a key ring, worn around the neck or carried in a handbag. Entirely portable, convenient, cuff-less and calibration-free, the Minshi measures blood pressure when pressure is gently applied to either side of the device by gently squeezing between thumb and forefinger. Following simple game-style instructions displayed by the dedicated app and pressing on the V-Sensor on the Minshi occludes the arteries in the tip of the index finger - exactly the same as the proven Riva-Rocci method used by a blood pressure cuff. The pressure on the fingertip that balances the pressure of the blood inside the artery is detected optically with the V-Sensor's pulse oximeter and an absolute blood pressure reading is displayed on the user's smartphone around 45 seconds later.

The Minshi also measures contactless body temperature: the user simply brings the module slowly up to their forehead, the smartphone app pings and displays the temperature reading.

Leman Micro Devices is the leader in the development of medically-accurate smartphone and mobile device technology for personal healthcare. Its unique V-Sensor™ and e-Checkup-app were developed for integration into smartphones, mobile devices and wearables, enabling users to monitor their own vital signs, including blood pressure, blood oxygen level, pulse rate, temperature and respiration rate – with the same medical accuracy as doctors and clinicians. V-Sensor devices are 3<sup>rd</sup> generation devices, a major step forward beyond current fitness tracker-type wearable devices: unlike the latter, they are medical-grade technology and provide clinically accurate results. Blood pressure is the number one health risk factor worldwide, causing over 10 million deaths per year because many people do not realize they have it, yet it is easy to treat once diagnosed. LMD's V-Sensor needs no calibration and dispenses with any need for BP measurement with home cuff devices.

Dr Chris Elliott, Co-founder LMD, comments: "Our partnership with Shanghai Minshi and Wuqi is a very exciting development which will deliver our V-Sensor into the hands of consumers during 2021, enabling them to take charge of their personal health more fully than is possible with any other wearable or fitness tracker device on the market. V-Sensor mobile devices, wearables and smartphones are the only devices in the world that can measure vital signs to clinical accuracy, and we are delighted to have two outstanding partners to deliver the first standalone Bluetooth-enabled V-Sensor product."

Mr Zhongwei Geng, CEO of Shanghai Minshi, stated: "It's tremendously exciting to be collaborating with Wuqi and LMD to develop this, the world's first truly standalone miniature blood pressure and vital signs device. So easy to carry and simple to use with the

dedicated app, it offers the ultimate in convenience for medically accurate, anytime, anywhere blood pressure measurement.”

### **About Leman Micro Devices**

Leman Micro Devices (LMD) is based in Lausanne, Switzerland, in the heart of the “Health Valley” and close to EPFL University and major phone sensor companies. Founded in 2010 with funding by Business Angels, Venture Capital, and two major players in the smartphone sector, LMD developed its e-Checkup™ system for integration into smartphones. A unique sensor combined with an easy-to-use app, it is the world’s first smartphone-integrated system to measure blood pressure and other vital signs to medical accuracy. A game-changer in personal health care, the e-Checkup™ system is on track to obtain international regulatory approval. LMD is an ISO 13485 certified company.

### **About WuQi Technology**

Based in China and established in 2016, Wuqi Technology is committed to providing highly-integrated chip solutions in the IoT & AI sectors, focusing on IoT communication, security, and devices that use AI technologies. Its solutions include true wireless stereo, next generation Wi-Fi, 3D facial recognition and others. Bluetooth devices are one of Wuqi’s core technologies: its latest solution supports dual-mode Bluetooth and Bluetooth 5.2, offering the advantages of ultra-low power consumption, excellent radio frequency performance, high-definition voice support, local AI support, and significant noise reduction algorithms.

### **About Shanghai Minshi Technology Co., Ltd:**

Established in Shanghai in early 2015, the company is mainly dedicated to computer vision understanding and neural network study. It has rich experience in intelligent hardware research and development, and provides customers with artificial intelligence, Internet of things and digital solutions of big data technology. After many years, Minshi has independently developed a number of software and hardware products of image recognition technologies and has received dozens of patents. Minshi’s products have been continuously applied in the security, education, healthcare, finance and other industries, and have been highly recognized by customers.

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