

Carbohydrate Monitoring System

World's first*¹ smart, portable healthcare device designed to enhance wellness by quickly and conveniently estimating carbohydrate metabolism based on pulse-wave patterns

*¹ World's first radial arterial pulse-wave gyro sensor. Based on research by Kyocera (as of October 28, 2019).

01 Features

- World's first healthcare device to estimate carbohydrate metabolism by analyzing pulse-wave patterns
- Gyro sensor*² quickly and conveniently measures radial arterial pulse-wave by pressing the sensor against wrist
- Compact, simple design with non-invasive sensor
- Currently in clinical trials (Research director: Dr. Shirou Minami, Professor of Institute for Advanced Medical Sciences, Nippon Medical School)

*² Kyocera patented technology (US patent #10390761)

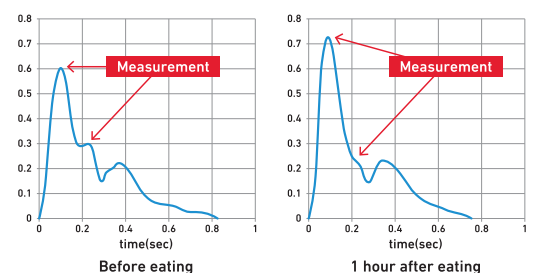
■ Carbohydrate Monitoring System



02 Applications

- General diet-based health management
- Carbohydrate restriction diet management
- Pre-diabetes health management

■ Changes in Pulse-Wave Patterns Before and After Eating



03 Specifications

- Estimation method: Pulse-wave augmentation index
- Pulse-wave measuring sensor: Gyro sensor
- Required measurement time: 8 seconds
- Battery powered: Will run for approx. 1 year of operation with a button type battery

■ Changes in Fat and Carbohydrate Levels After Eating

