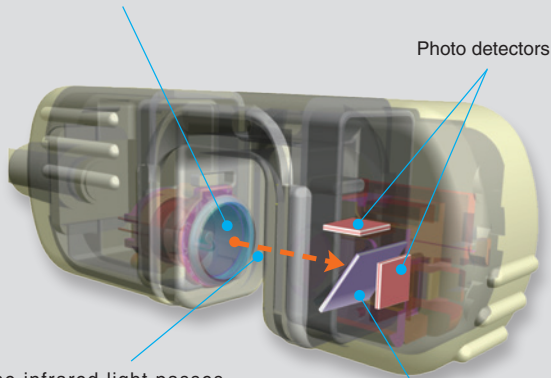


# Monitor Your Patient with Reliable cap-ONE Mainstream CO<sub>2</sub> Sensor

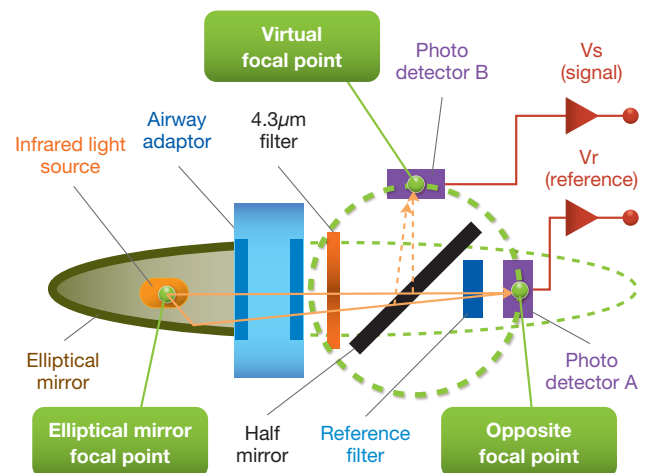
## A New Class of Ultra Compact Sensors

### cap-ONE CO<sub>2</sub> sensor

A light source is positioned at the focal point of an elliptical mirror



### Advanced miniaturization of infrared absorption spectroscopy system



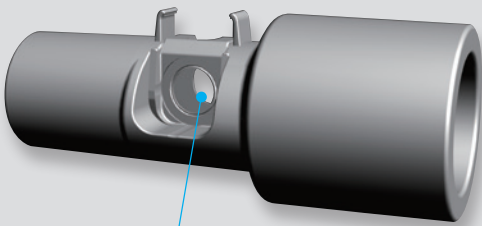
The infrared light is split by a half mirror and concentrated into two photo detectors. Photo detector A at the opposite focal point of the elliptical mirror detects the reference beam. Photo detector B at a virtual focal point 90° from photo detector A detects the signal beam from the half mirror.

- ✓ Weighs only **4** grams
- ✓ **IPX7** protection against immersion in water
- ✓ Withstands a **1.22** meter drop and meets MIL-STD-810F transit drop requirements



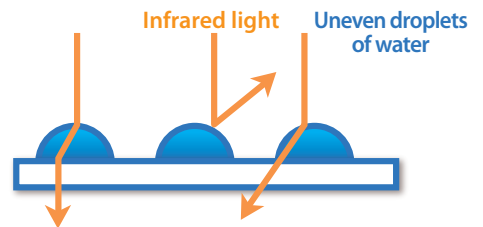
# The Optimal Capnography Solution for Respiratory Management

**Airway adaptor with anti-fogging membrane**



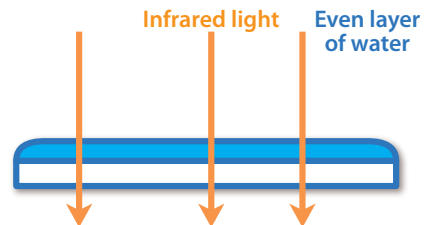
Infrared light passes through a transparent film with a unique anti-fogging membrane

**Normal membrane**



Droplets of water cause uneven reflection and refraction of light which causes inaccurate CO<sub>2</sub> measurement. Traditional CO<sub>2</sub> sensors eliminate the water droplets with a window heater.

**Anti-fogging membrane**



Nihon Kohden's anti-fogging membrane forms a smooth layer of water which allows accurate CO<sub>2</sub> measurement with no heater. This reduces power consumption and sensor weight.

- ✓ **Accurate** for intubated and non-intubated patients
- ✓ **Reliable** even under high humidity conditions
- ✓ **Durable** enough for use in harsh environments
- ✓ **Safe** heaterless system prevents burn injuries