



Philips LoFlo sidestream etCO₂ sensor

Philips offers a high-quality sidestream CO₂ sensor and a family of disposable cannulas and airway adapter sets for use on intubated and non-intubated patients.

The Philips M2741A LoFlo sidestream etCO₂ sensor uses sophisticated infrared absorption spectroscopy to measure etCO₂ and respiration rate. The sensor delivers a clear, precise capnogram for respiratory rates up to 150 breaths per minute. And with a sampling rate of 50 ml/min, it is ideal for use with infants and smaller patients.

The LoFlo sidestream etCO₂ sensor is used with Philips capnography measurement server extension (M3014A) in combination with the IntelliVue multi-measurement server.

Philips offers airway adapter sets for intubated patients that require close monitoring of their etCO₂ levels. Nasal and oral-nasal cannulas are available for non-intubated patients who undergo procedural sedation.

Features and benefits

- **Application environment:** ideal for the general ward, ICU, CCU, ER, OR and EMS
- **Compatible:** M2741A sensor is compatible with the entire family of IntelliVue patient monitors (Release D.0 or later)
- **Dependable:** delivers a clear, precise measurement of etCO₂
- **Reliable:** rugged solid-state design
- **Innovative:** sampling cell and filter are attached to the disposable sampling kits, preventing fluids from contaminating the sensor
- **Easy:** plug-and-play functionality; intuitive and easy to use, no regular calibration required



Specifications

M2741A Sidestream CO₂ sensor

Initialization time	Full specifications within two minutes, waveform data in less than 20 seconds at an ambient temperature of 25°C	
CO ₂ measurement range	0 to 150 mmHg, 0 to 19.7%, 0 to 20 kPa (at 760 mmHg)	
CO ₂ accuracy	0-40 mmHg	≥ 2 mmHg
	41-70 mmHg	≥ 5% of reading
	71-100 mmHg	≥ 8% of reading
	101-150 mmHg	≥ 10% of reading
	Note: All specifications are ≥ 12% for respiration rates above 80 BPM	
Sample flow rate	50 ml/min	≥ 10 ml/min
CO ₂ stability	Short-term drift: drift over four hours shall not exceed 0.8 mmHg Long-term drift: accuracy specification will be maintained over a 120-hour period	
Calibration	No routine user calibration required	
Physical characteristics	Height: < 38.1 mm Width: < 66.1 mm Depth: < 88.9 mm	
Temperature and humidity	Operating: 0 to 40°C, 10 to 90% RH, non-condensing Storage: 40 to 70°C, <90% RH, non-condensing	
Water resistance (sensor)	IPX4-Splash-proof	
Shock resistance	IEC TR 60721-4-7 Class 7M3 IEC 60068-2-27 Shock	
Data output	CO ₂ gas concentration (mmHg), end-tidal CO ₂ , inspired minimum CO ₂ , airway respiratory rate	

All-in-one single patient use sample cell, filter and full line of adult, pediatric and infant nasal cannula sampling kits for non-intubated patients.

Single patient disposable cannulas – non-intubated

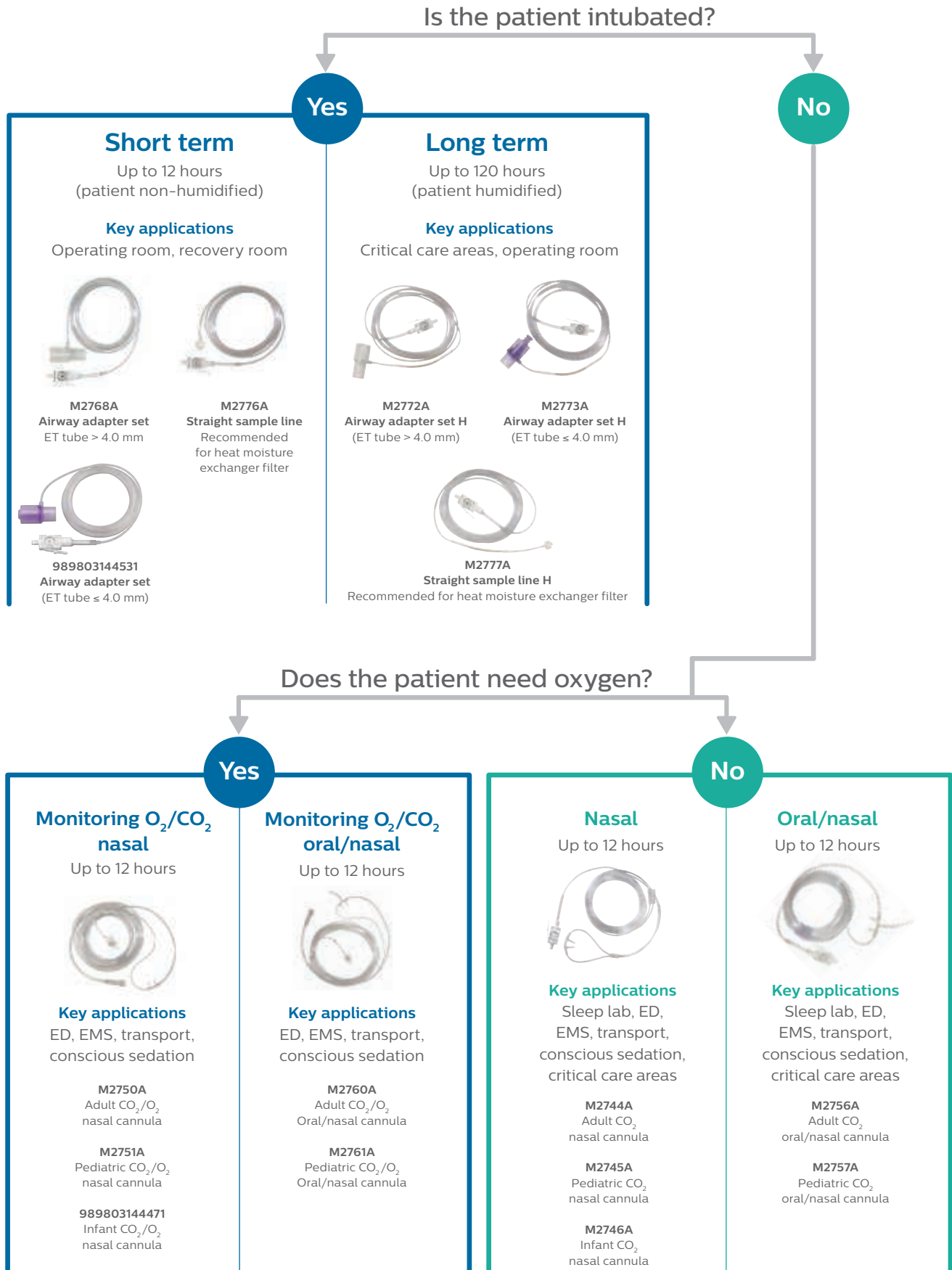
Description	Product number
CO ₂ nasal cannula, adult	M2744A
CO ₂ nasal cannula, pediatric	M2745A
CO ₂ nasal cannula, infant	M2746A
CO ₂ /O ₂ nasal cannula, adult	M2750A
CO ₂ /O ₂ nasal cannula, pediatric	M2751A
CO ₂ /O ₂ nasal cannula, infant	989803144471
CO ₂ oral-nasal cannula, adult	M2756A
CO ₂ oral-nasal cannula, pediatric	M2757A
CO ₂ /O ₂ oral-nasal cannula, adult	M2760A
CO ₂ /O ₂ oral-nasal cannula, pediatric	M2761A

All-in-one single patient use airway adapter kits for long- and short-term etCO₂ monitoring of intubated adult, pediatric and infant patients.


Airway adapter sets – intubated

Description	Product number
Airway adapter set, > 4.0 mm endotracheal tube	M2768A
Airway adapter set, ≤ 4.0 mm endotracheal tube	989803144531
Airway adapter set H, > 4.0 mm endotracheal tube	M2772A
Airway adapter set H, ≤ 4.0 mm endotracheal tube	M2773A
Straight sample line (non-humidified), recommended for HME filter	M2776A
Straight sample line H (humidified), recommended for HME filter	M2777A

Selection guide





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