



Good study results, better night's sleep

Alice PDX Diagnostic System

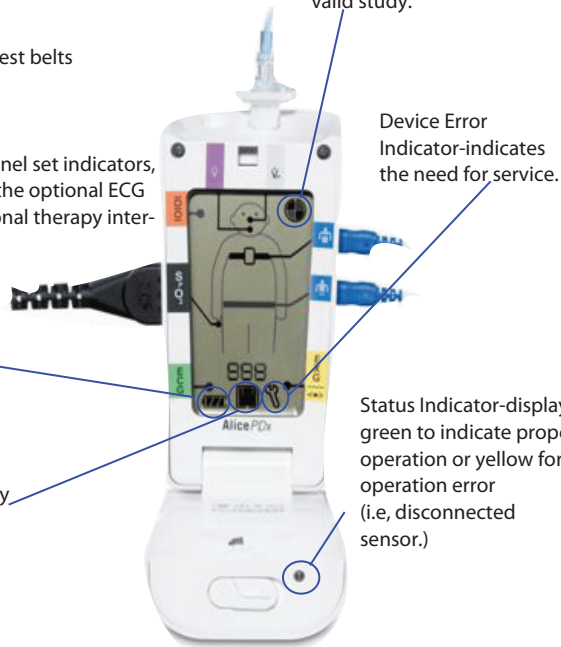
The base configuration channel set supports testing requirements for levels three and four and includes:

- nasal pressure cannula
- oral thermistor
- zRIP abdominal and chest belts
- SpO₂
- body position

In addition to the basic channel set indicators, there are also indicators for the optional ECG and ExG yokes and the optional therapy interface.

Battery Indicator- indicates power level.

Memory Card Indicator- provides estimated memory capacity.



Good Study Indicator- configurable for the number of hours required for a valid study.

Device Error Indicator- indicates the need for service.

Status Indicator- displays green to indicate proper operation or yellow for operation error (i.e. disconnected sensor.)

Ordering Information

Item No.	Description
1043941	Alice PDx Device Kit, Domestic/US
1043844	Alice PDx Device Kit, International
1047990	Alice PDx Device Kit, Japan
Optional Components:	
1040808	ExG Yoke, Alice PDx, Domestic
1048415	ExG Yoke, Alice PDx, International
1040809	ECG Yoke, Alice PDx, Domestic
1040810	ECG Yoke, Alice PDx, International
1048916	ECG Yoke, Alice PDx, Japan
Accessories:	
1040807	Alice PDx to MobileLink Cable (PC cable)
1040806	Alice PDx to SleepLink Cable
1040805	Alice PDx to RS-232 Sleep Therapy Cable
1053280	Alice PDx Holster
1053194	Alice PDx Holster Neck Lanyard
P1328-60	Pro-Flow Nasal Cannula, Adult Qty. 60
P1343	Pro-Flow Nasal-Oral Cannula, Adult Qty. 30
P1379	Oral Thermistor, Alice PDx
P1388	Nasal-Oral Thermistor, Alice PDx
P1391	CPAP Titration Kit (for non-Respironics therapy devices)
P1837	zRIP Adult Sensor Kit (belts and wiresets), Alice PDx
P1806	zRIP Effort Sensor, Adult (24" to 75") / (61 cm to 190 cm)
P1170	zRIP Wireset, Alice PDx
1053952	2-pack SD cards (Secure Digital Card, 1GB ea.)
1053948	Alice PDx Quick Start Guide (carry case overlay) 4-pack
Software:	
1031854	Sleepware

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Portable Testing Made Easy

The Alice PDx is a portable, diagnostic recording device for Obstructive Sleep Apnea (OSA) screening, follow-up and diagnostic assessment of cardio-respiratory sleep disorders.

The Alice PDx enables you to test your patients outside of the lab without compromising study results, helping you to avoid the costs associated with re-testing.

The Alice PDx incorporates our unique Good Study Indicator (GSI).* The GSI is predicated on airflow and oximeter signal quality and displays the amount of "good quality data" needed for a study to be complete and valid. The indicator measures patient airflow, gathered by the nasal cannula and/or the oral thermistor, airflow from therapy devices, and pulse oximetry, gathered by the SpO₂ sensor. Without either of these signals, the sleep study would be declared diagnostically invalid because of insufficient data.

Specifications:

Total Channels:	Up to 21 with Optional ECG and ExG Yokes
Base Channels:	10 Channels: Pressure-Based Flow (w/snore) and Thermal Airflow, zRIP Effort (2), Body Position, SpO ₂ (also Pleth and Pulse Rate) and Patient Marker. Up to eight parameters from Respironics therapy devices may be acquired, including pressure, flow and leak.
Optional Yokes/ Channels:	ECG Yoke; 7 channels: 3-lead ECG providing 3 measured and 4 derived channels ExG Yoke; 7 channels: 4 Neuro Channels (EEG or EOG) and 3 Differential EMG, plus references and ground
Input Impedance:	ECG: 10MW per Electrode 20MW differential EEG: 2MW per Electrode 4MW differential EMG: 2MW per Electrode 4MW differential
Bandwidth:	ECG: 0.318Hz to 81Hz EEG: 0.318Hz to 35Hz EMG: 9.7Hz to 86Hz
Input Signal Range:	ECG: +/- 4mV EEG: +/- 500uV EEG: +/- 150uV
Digital Resolution:	Up to 16 bits
Initial Sample Rate:	Up to 1,000 Hz
Max Storage Rate:	200 Hz for ECG/ExG, 100 Hz for Effort and Thermal Flow, Pressure Flow 200 Hz, Snore 500 Hz, Body Pos. 1 Hz
Communication Interfaces:	Serial Protocol USB PC cable, SleepLink and Serial communication cables for Respironics Therapy devices