S.Box
Duo
S/ST

A novel and innovative approach to manage your patients suffering of Respiratory Impairment or Sleep Breathing Disorders
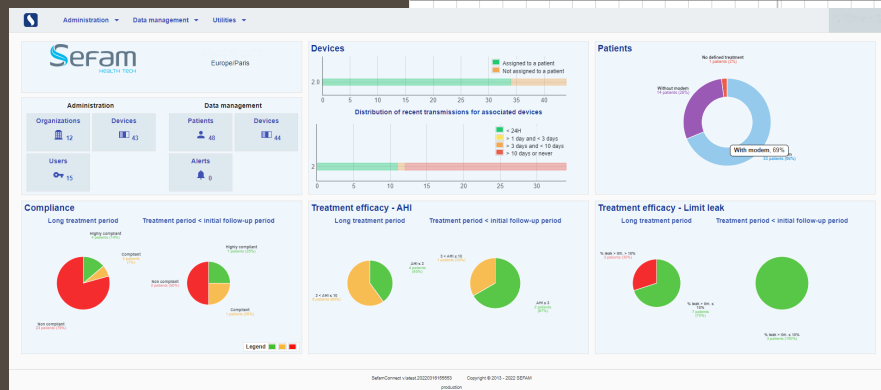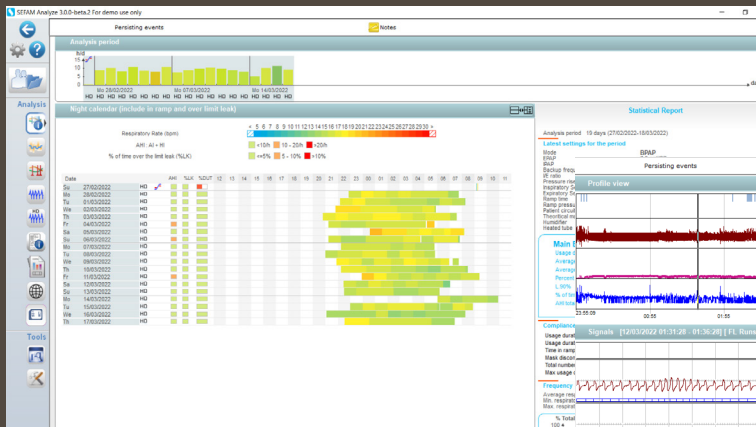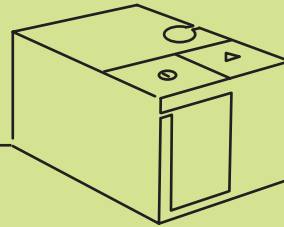
Sefam
S.BOX
S.BOX

23:15

▷ Design

▷ Ergonomics

▷ Technology

▷ e-Health

Sefam

S.Box Duo S/ST

▷ On the platform of S.Box, a new Non Invasive Ventilation (NIV) device for non-dependant patients of Sleep Apnea Syndrome and Chronic Respiratory Failure.

▷ **The key feature of Cloud Connectivity makes patient care more flexible, efficient and yet very easy.**

▷ Data Transmission option with modular - WiFi // GSM Modem, making life easier.

SEFAM Connect Cloud offers remote management of your patient.

*SEFAM Connect - GDPR compliant cloud solution

S.Box Duo S/ST

A unique environment and tools to set up, view and remotely monitor your patient on S.Box Duo S/ST

SEFAM Access Pro
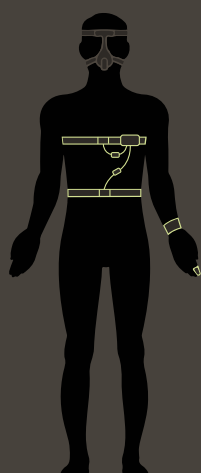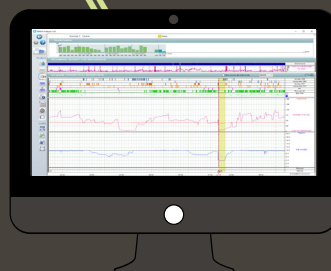Remote access to settings and monitoring of ventilation parameters

Sefam CONNECT

Remote Monitoring

Bluetooth Oximeter

10:07

PolyLink - a polygraphy module under controlled environment of BPAP therapy

SEFAM Analyze - a PC software for S.Box Duo S/ST

Modes and Options

▷ **S.Box Duo S** offers following modes:
    1.   CPAP
    2.   S mode (Spontaneous mode)

▷ **S.Box Duo ST** offers following modes:
    1.   CPAP
    2.   S (Spontaneous mode)
    3.   ST (Spontaneous with Time mode)

▷ Possible settings of backup frequency (ST mode), I/E ratio (ST Mode) and Rise time (S/ST Mode).

▷ S.Box Duo S/ST is available mainly in 3 configurations:
    1.   Without humidifier
    2.   With humidifier
    3.   With humidifier and heated tube

*Independant to Humidifier, a Heated tube can be attached as an option to S.Box Duo S/ST.

BPAP Mode

Parameter	Minimum value	Maximum value	Default value
Comfort pressure	3 cm H_2O	EPAP	4 cm H_2O
Expiratory positive airway pressure (EPAP)	3 cm H_2O	IPAP or 20 cm H_2O	5 cm H_2O
Inspiratory positive airway pressure (IPAP)	EPAP or 3 cm H_2O	25 cm H_2O	15 cm H_2O
Ramp time	0 min	Maximum ramp time	0 min
Maximum ramp time	0 min	45 min	0 min
Pressure rise time	1 (approx. 200 ms for 10 cm H_2O)	5 (approx. 600 ms for 10 cm H_2O)	3 (approx. 400 ms for 10 cm H_2O)
Inspiratory sensitivity	1	10	5
Expiratory sensitivity	1	10	5
Backup frequency (on S.Box Duo ST)	0 or 4 BPM	25 BPM	10 BPM
I/E ratio	1/4.0	1/0.5	1/2.0

CPAP Mode

| Parameter	Minimum value	Maximum value	Default value
Set pressure	4 cm H_2O	20 cm H_2O	8 cm H_2O
Comfort pressure	4 cm H_2O	Prescribed Pressure	4 cm H_2O
Ramp time	0 min	Maximum ramp time	0 min
Maximum ramp time	0 min	45 min	0 min

Salient features and options of S.Box Duo S/ST for offering the best Comfort, Control and Connectivity for overall Care of your patients

▷ Timeless design by Philippe **STARK**

▷ Humidifier option

▷ Heated Tube Option

▷ Option for connecting Heated Tube independent to Humidifier

▷ Patented **FlowSens** Technology for efficient Patient - Machine Synchrony

▷ **Mask Fit and Go -** indication of Good Fit or leakage on screen

▷ **Humid Control+ and Adaptative Thermo Control -** Automatic adaption to humidification and heating of patient tube

▷ **Mask Select -** Freedom of choosing any brand of mask, and calibrate with the Device for leak management and optimal performance

▷ Ramp setting

▷ **Circuit Select -** Selection of various types of patient tube or option for self calibration with Specific Calibration feature

▷ **BT Oximetry**

▷ Option for integrated **PolyLink** Module for Polygraphy test at home under controlled BPAP therapy with the S.Box Duo S/ST device

▷ Oxygen enrichment with optional non-return Oxygen inlet valve

▷ **SEFAM Analyze -** Latest version of Analysis Software, one of the best in Industry, acknowledged and appreciated by leading Physicians and HC providers

▷ **SEFAM Access -** a Mobile App for Patient to see own compliance parameters and manage the device settings remotely with BT connectivity

▷ **SEFAM Access PRO -** a Comprehensive App for Home Care Providers / Physicians, integrating **iAdapt function** for monitoring delivered parameters like IPAP, EPAP, Respiratory Rate, Tidal Volume, Inspiratory time etc. possible to set mode and parameters remotely, without stopping the BPAP therapy

FlowSens Technology

Leakage estimation and compensation.
Automatic adaptation of triggers: to maintain performance in the presence of unintentional leakage and avoid the «auto-trigger» phenomenon.
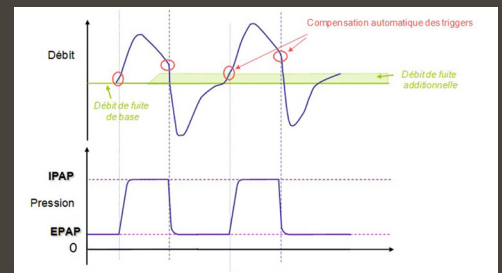
SEFAM Access Pro

The SEFAM Access Pro application for smartphone or tablet allows to adjust the S.Box Duo S/ST settings and to read in real time the ventilation / patient parameters obtained under machine.

Ordering Information

SEFAM S.Box® Duo S	M-116413
SEFAM S.Box® Duo ST	M-116414

S.Box® heated humidifier	M-216430-06
S.Box® humidifier chamber	M-216430-15
Oximeter	3150-BLE-0101

Connectivity:

Modem S.Box®	M-116500
Module WIFI S.Box®	M-116900
PolyLink complete system	M-116700

Tubing:

S.Box® heated tube	M-216430-07
S.Box® Ø 15 mm standard tube	M-261000-05
S.Box® Ø 22 mm standard tube	M-261000-06

Travel accessories:

S.Box® carrying bag	M-816405-00
S.Box® cigarette cable (24 VDC-5 m)	M-216430-08

Machine data analysis:

SEFAM Analyze Software	M-215630-04
S.Box® SD card	M-216430-05
S.Box® USB cable	M-216430-09

Divers:

Inlet air filters (50 pcs)	M-315940-01
S.Box Power supply	M-416410-00
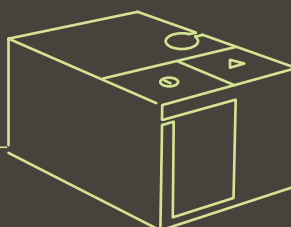
Physical Specifications

Dimensions (L x W x H):	245 x 140 x 110 mm with side cover 245 x 185 x 110 mm with humidifier
Carrying bag dimensions (L x W x H):	305 x 245 x 180 mm
Weight (without power supply):	1.4 kg with side cover 1.7 kg with humidifier
Power supply weight:	0.5 kg
Operational volume minimum volume of gas in the humidifier chamber:	730 ml
Usable volume of water in humidifier chamber:	350 ml
Maximum liquid level:	Indicated by ↑ MAX ↑ on humidifier chamber

For more information:

Customer Service

T. +33 (0) 3 83 44 77 40
F. +33 (0) 3 83 44 99 87
customerservice@sefam-medical.com

www.sefam-medical.com

Made in France

Head Office: SEFAM - 144 avenue Charles de Gaulle - 92200 Neuilly-sur-Seine - FRANCE
Factory and offices: SEFAM - 10 allée Pelletier Doisy - 54600 Villers-Lès-Nancy - FRANCE

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