Scala

Polygraphy for varied uses.

Scala is primarily a standard **polygraphy device** for the detection of Sleep-Disordered Breathing that fulfills the requirements of the German EBM code for billable medical services. Furthermore, within the standard delivery Scala offers many possible uses at no extra cost for treatment of different user groups – all in one device. Given its variety of options, Scala is highly suited for use in a variety of fields, including pneumology, cardiology, ENT, sleep medicine and neurology.

Special features at a glance

Thermistor – In addition to a nasal cannula, a thermistor can be used to measure the patient's respiratory flow.

Snore microphone – A sensor to record snoring sounds can be applied to the larynx. It is possible to detect snoring at the same time by means of the dynamic pressure signal from the nasal cannula.

Differential pressure measurement – The integrated differential pressure measurement to manage PAP and NIV therapies offers very high-quality recording of the flow signal at high and quickly changing pressures.

Configurable electrode ports – The device has equipped with four electrode connection ports which can be freely configured and used for different electrophysiological tracings such as EMG, ECG or EEG.

Recording of respiratory movements – In addition to pressure pad technology, it is possible to record respiratory movements with induction belts (RIP) simultaneously or alternatively.

Removable Battery – The removable battery allows a quick hand-off of the device to the next patient without having to check the charging times.

Online and Offline – It is possible to carry out an online measurement instead of the standard offline measurement. An optional WLAN variant of Scala is available for data transmission from the patient recorder to a computer. The device can be operated with or without cables. A time-synchronized recording of video and audio signals can be conducted, as can a time-synchronized feed of external analog signals from therapy devices or transcutaneous CO_2 monitor.

No maintenance or service required – The device requires no maintenance or service. However, Löwenstein offers a regularly scheduled check of devices in order to ensure uninterrupted and trouble-free operations in daily use.

Scala

Device Description	Article Nr.
Scala (standard delivery)	**1930041**

Accessories

	Article Nr.			Article Nr.
Nasal Cannulae			Effort sensors	
Nasal cannula, 50 cm, luer lock	**200-0312/10**		Effort sensor short, adult	**930393**
Oro-nasal cannula, 60 cm, luer lock, small lip tab	**500003**		Effort sensor long, adult	**930394**
			Effort belt	
Oro-nasal cannula, 60 cm, luer lock, large lip tab	**200-0312/15**		Size S (98 cm), blue	**930260**
			Size M (122 cm), black	**930261**
Sets			Size L (142 cm), red	**930262**
Thermistor Set	**1930320**		USB connection cable, 1.8 m	**930224**
Rechargeable battery Set	**1930180**		Pressure Diff Adapter Scala	**930322**
Snore microphone Set	**1930321**		Set of double tubes	**WM 96503**
LEG Set	**1930410**		for Pressure Diff Adapter, 50 cm	
ECG Set	**1930408**		Flexible tube adapter	**WM 95263**
EEG Set	**1930018**		for Pressure Diff Adapter	
Patient bag	**930253**		SpO$_2$ Softclip finger sensor	**930300**
Scala mount	**930250**		Hook-and-loop armband	**200-0311**
Rechargeable battery for Scala	**930180**		Transport case	**927304**
Rechargeable battery cover for Scala	**930142**		Scala cleaning set	**930376**
Charging tray for Scala	**930204**			
Power supply unit for battery charger for Scala	**930209**			

Technical data

Dimensions W x H x D:	135 mm x 30 mm x 77 mm
Weight:	230 g, including rechargeable battery
Storage medium:	Internal storage
Storage capacity:	Min. 100 hours
Error indicator:	LED on top of device
Power supply:	Rechargeable Li-Ion battery with integrated charging electronics
Data transmission:	USB interface with cable for data transmission
Sampling rate:	1 Hz to 1000 Hz with 24-bit resolution
Length of recording:	Up to 24 hours (depending on recording configuration)
Maintenance and service:	No maintenance or service required
Software updates:	Free software updates for our analysis software for the life of device
Software license:	No software license required

CE 0483

made in GERMANY

Dr. Fenyves und Gut Deutschland GmbH
Daimlerstr. 23
72414 Rangendingen, Germany

Sales + Service
Löwenstein Medical
Arzbacher Straße 80
56130 Bad Ems, Germany
T. +49 2603 9600-0
F. +49 2603 9600-50
info@loewensteinmedical.com
loewensteinmedical.com

With people in mind