

Hand Control HB190

Data Sheet



Contents

Introduction.....	3
Features and options	3
Usage	3
Ordering example	4
Dimensions	5
Cable	6
Front cover	7
Contacts	8

Introduction

The HB190 is an advanced hand control designed for high-end medical equipment. It contains 9.5 rows, giving the care staff 19 buttons for activation. It is equipped with 21 LEDs, providing user-friendliness due to the clear overview of the battery status, locking status and service indication.

Furthermore, the HB190 comes with an exchangeable cable and is IPX6 Washable DURA™, ensuring a long product lifetime.

Features and options

Housing color	Light grey, RAL 7035
Protection class	IPX6 Washable DURA™
Number of buttons	19
Button type	Domes
Number of LEDs	21
Flammability rating	UL94 V2
Weight	130 g
Cable	Replaceable coiled cable
Front cover	Standard or customised
Backlight	Yes
Hall magnet	Yes

Usage

Operation temperature	+5°C to + 40°C
Storage temperature	-10°C to + 50°C
Relative humidity	20% to 80% - non-condensing
Operational atmospheric pressure	800 to 1060 hPa
Storage atmospheric pressure	700 to 1060 hPa
Operational meters above sea level	Max. 2000 meters
Approvals	IEC60601-1 IEC60601-1-2
Compatibility	All OpenBus™ control boxes
Flammability rating	UL94 V2
Latex free	Yes

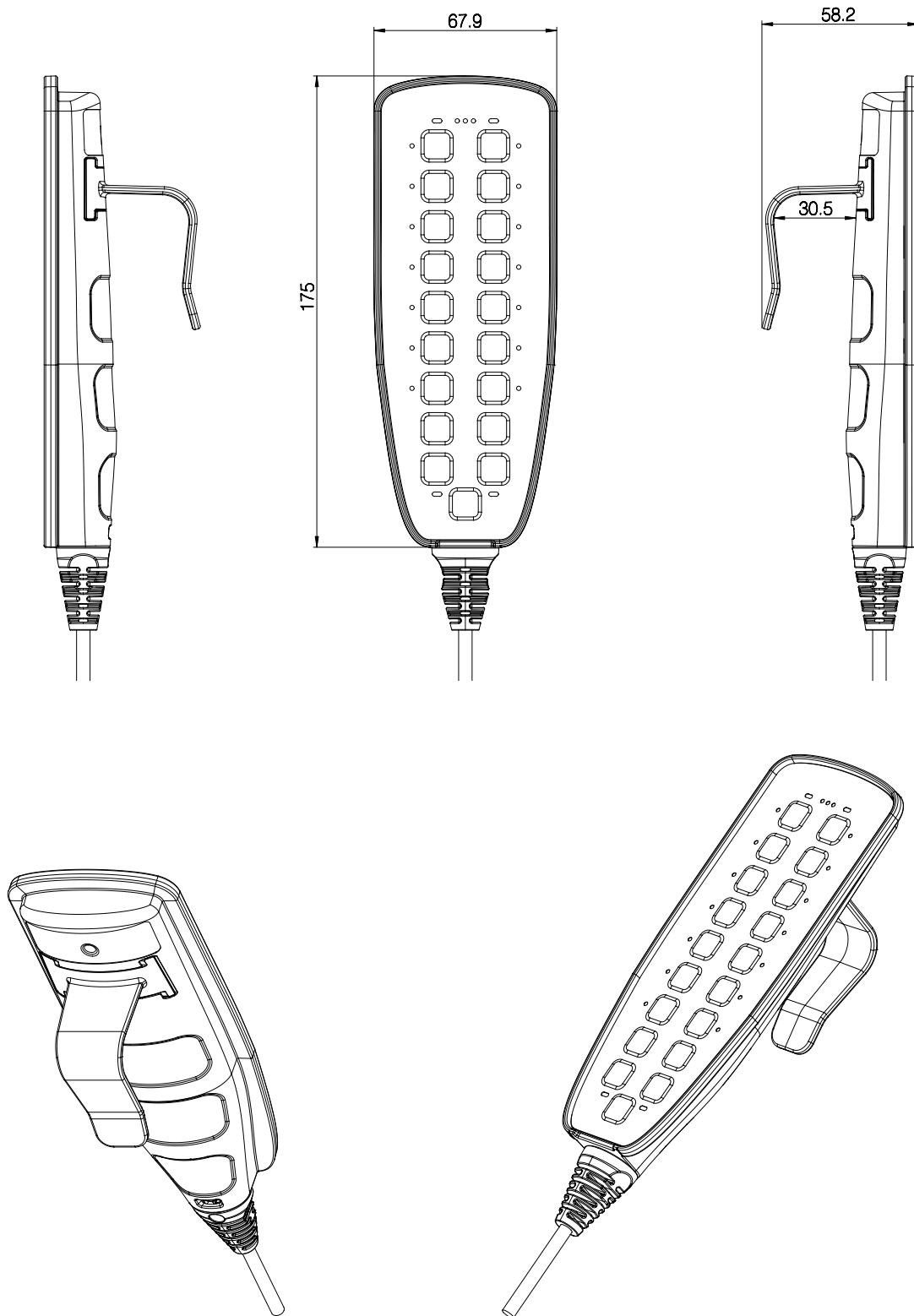
Ordering example

	HB	
Type	190	190 = HB190
Functionality	9A	9A = HB190 standard
Display or Keypad	0	0 = Keypad
Hall	1	1 = Hall
Accelerometer	0	0 = None
Backlight	1	1 = Backlight
Not used	0	0 = None
Not used	0	0 = None
Not used	0	0 = None
Frontcover Layout	2D	2D = HB190 keypad XD = Special
Frontcover Number	001	XXX = Last 3 digits in Frontcover number
IP-Degree	W	W = Washable
Colour	1	1 = Grey (RAL7035)
Mounting	1	1 = Hook
Connectivity	1	1 = Cabled
Plug Type	1	1 = Modular 10-pin
Cable	C	C = Coiled
Cable Colour	1	1 = Grey (RAL7035)
Not used	0	0 = None
Not used	0	0 = None
Not used	0	0 = None
Not used	0	0 = None

Chosen item number:

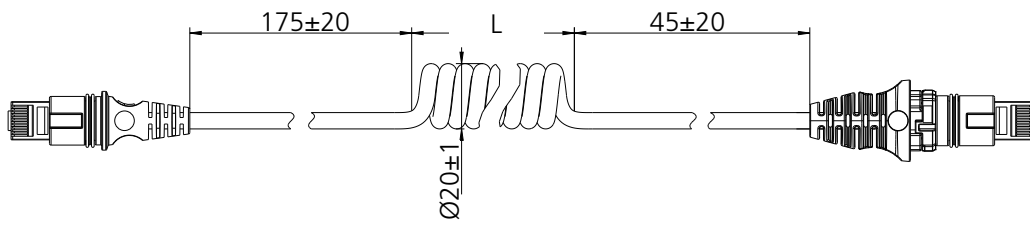
HB1909A01010002D001W1111C10000

Dimensions



Drawing no.: 1034w1045

Cable



Drawing no. 1034w7002

Front cover

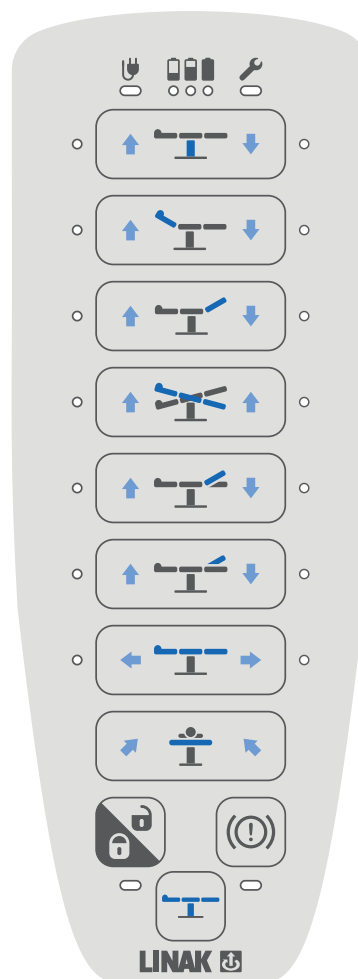
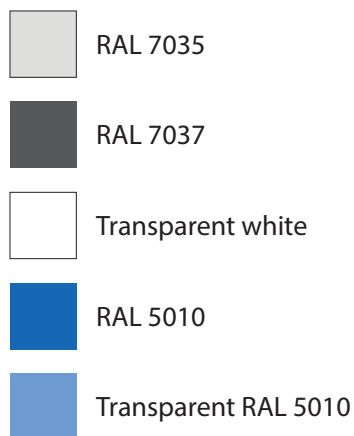
The HB190 hand control is available with one standard front cover. The area with backlight is transparent blue and the LED areas are transparent white. This will allow backlight and LED light to be visible when the light is on. However, when the light is off, these lights will not be visible.

In the standard front cover shown below, the LED indication at the front cover top is as follows (mentioned from the left):

- Mains power (white LED)
- Battery power
 - Low battery (red LED)
 - Medium battery (yellow LED)
 - Full battery (green LED)
- Service (white LED)

All LEDs are controlled from the control box software and must be configured for the specific purpose.

For customised front covers, please contact LINAK A/S.



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