DR 5

EXCEED THE LIMIT

The Ultimate Heinrichs Weikamp Dive Computer

Since the inception of our Open Source Dive Computer, we have solicited feedback from the technical dive community about what they want from the ultimate dive computer. We now give you the result: the DR 5.

OLED color display

The 2.4" (6.1 cm) display with a 320 x 240 pixel resolution and 65,000 colors in OLED technology offers the best possible display clarity and sharpness combined with the widest possible viewing angle. The display brightness is automatically regulated via an integrated light sensor. Three additional LEDs show status information or warning signals. Warning signals are also transmitted acoustically. The display provides menu-supported, intuitive user operation.

Casing and power supply

The DR 5's casing is milled from a single block of anodized aluminum, eliminating potential failure points such a screws and making the DR 5 so durable that it is depth rated to 350-500* meters (36-51 ATA). The deep black design with three high-quality, red, piezo-electric buttons ensures complete ease of operation even at great depths or with especially thick gloves. The DR 5's extra powerful battery provides a minimum of 20 hours of operating time and is completely rechargeable in a maximum of six hours. The battery can be recharged via a USB cable or the included power adapter connected to your PC. The battery is user replaceable in the field thanks to the coin-slot cover and we of course offer replacement batteries. The DR 5 can be attached either

*depending on the model

with the wristband provided or with bungees—the DR 5 is the first "bungee-ready" dive computer!

The best connections

Three oxygen sensors can be connected to the DR 5 dive computer via the 7-pin Fischer jack, so that the DR 5 is compatible with both open (OC) and closed circuit (CCR) scuba systems. It supports breathing mixtures of air, Nitrox, Trimix and Heliox; up to ten gases can be configured simultaneously. A built in bi-directional wireless interface will serve to display tank pressure and/or allow a wireless connection to O_2 sensors in the future. The DR 5 can be connected to computers running Windows, Linux or Mac OSx with its USB interface utilising standard drivers (no dedicated driver software is necessary).

Software and open interface

Thanks to open programming interfaces, the DR 5 can be easily upgraded utilising either Heinrichs Weikamp firmware or third-party software. The DR 5 supports dive planning on your PC before uploading dive plans onto the DR 5. DR 5 is the first dive computer designed for initial dive logging in open UDDF, and it also allows for logging using DivingLog and JDiveLog.

Powerful computing platform

With its 32Bit AVR UC3 processor and 256 MB RAM, as well as a 2 GB flash memory, the DR 5 is prepared for all current and future diving applications with it's enormous computing resources.

2.4" OLED color display

Casing designed for depths of 350–500 meters*

7-pin Fischer connection for three O² sensors and USB

"Bungee-ready"

Technical data

Processor	32Bit AVR UC3 processor
RAM	256 MB RAM
Memory	2 GB flash memory
Displays	2.4" (6.1 cm) full color OLED display with 320 x 240 pixel resolution, RGB with 65,000 colors Viewing angle: 170° Two multicolor LEDs + one blue LED for status and/or warning signals Acoustic warning signals
Connections (analog, digital, USB, battery charger)	Three oxygen sensors (O_2 sensors) Compatible with the intelligent HeinrichsWeikamp O_2 sensor board USB-PC (Windows, MAC, Linux) interface without special driver ("USB stick mode")
Jack	7-pin Fischer jack for O_2 monitoring and USB interface Compatible with standard analog
Wireless connection	Bi-directional, wireless interface (for future wireless HUD displays, tank sensors or O_2 sensors)
Sensors	Two pressure sensors for high precision and a wide pressure range Temperature sensor Ambient light sensor
Power supply	Li-ion battery, coin-slot cover, easily replaceable by user Recharging via USB or with included power supply pack Battery life: 20 hours at maximum display brightness in standard mode Battery recharging: < 6 hours
Controls	Three high-quality piezo-electric buttons for ease of operation even at great depths and/or with thick gloves
Wristband	High-tech flex-velcro wristband "Bungee-ready": special holes for direct attachment of bungees
Casing	No-screw technology, milled from a single block of anodized aluminum (average wall thickness 6 mm) 9 mm highly scratch-resistant borosilicate glass display (fully encapsulated "Infinity" version available)
Dimensions	99 x 74 x 38 mm (width x height x depth)
Weight	450 g
Operation depth	350–500 meters (depending on the model)
Included parts	*Dr 5* dive computer incl. software, charger (115/230 V), high-tech flex-velcro wristband, case

full-scale image

74 mm

99 mm

Your personal *Dr 5* dive computer

The *Dr 5* can be made to order. The display layout can be individually set, and the look and feel of the user interface can be varied through a selection of skins. The skin selection will be continually updated for download on our website. Even the casing can be individualized with laser marking. In addition, you can order your casing and buttons in colors of your choice by special order.

For further information, please visit our website at: **www.heinrichsweikamp.com** or contact us at: **info@heinrichsweikamp.com**

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