Product Range 2008

CYCLING FUNCTIONS	Z3 PC-LINK	Z3	Z2 PC-LINK	Z2	Z1	MC 1.0	MC 1.0+	HC 12.6	C4 DS	C4	C3 DS	C3	C2 DS	C2	C1 DS	C1	A8+	A8	A4+	A4
PC-Analysis	●		●																	
Digital wireless transmission	●	●	●	●	●				●		●		●		●					
Digital wireless cadence (optional)	●	●	●	●	●				●		●		●		●					
Analogue wireless speed transmission							●										●		●	
Actual speed	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Trip distance	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Total distance	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Total distance Bike 1	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●				
Total distance Bike 2	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●				
Trip timer	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
Total ride timer Bike 1	●	●	●	●	●				●	●	●	●								
Total ride timer Bike 2	●	●	●	●	●				●	●	●	●								
Total ride timer Bikes 1+2	●	●	●	●	●				●	●	●	●								
Average speed	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
Distance forecast km/mi									●	●										
Remaining km/mi									●	●										
Comparison of average and actual speed	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
Maximum speed	●	●	●	●	●	●	●	●	●	●	●	●	●	●			●	●		
Second trip counter	●	●	●	●	●	●	●	●	●	●	●	●								
Clock	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Stop watch	●	●	●	●	●	●	●	●	●	●	●	●	●	●						
Countdown with beeper	●	●	●	●	●				●	●										
Timer 1, Timer 2, Timers 1+2 with beeper	●	●	●	●	●				●	●										
LAP-Timer (50 Laps)	●	●	●	●																
2 wheel sizes	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●				
Auto Start/Stop	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
HEART-RATE FUNCTIONS																				
Actual heart rate	●	●	●	●				●												
Average heart rate	●	●	●	●				●												
Maximum heart rate	●	●	●	●				●												
Actual heart rate (% of individual maximum)	●	●	●	●																
Power in WATT	●	●			●															
Time in training zone	●	●	●	●				●												
Time below training zone	●	●	●	●				●												

HEART-RATE FUNCTIONS	Z3 PC-LINK	Z3	Z2 PC-LINK	Z2	Z1	MC 1.0	MC 1.0+	HC 12.6	C4 DS	C4	C3 DS	C3	C2 DS	C2	C1 DS	C1	A8+	A8	A4+	A4
Time above training zone	●	●	●	●				●												
Pulstimer manual or automatic start								●												
Recovery heart-rate	●	●	●	●																
Recovery time	●	●	●	●																
Calorie consumption	●	●	●	●																
Indication of upper/lower limits	●	●	●	●				●												
Presettable training zones	3	3	3	3				1												
Optical signal for HR transmission	●	●	●	●				●												
Audible signal for leaving preset zones	●	●	●	●				●												
ALTIMETER FUNCTIONS																				
Current altitude	●	●			●	●	●													
Current gradient in %	●	●			●	●	●													
Current temperature in °C or °F	●	●			●	●	●													
Altitude gain uphill on current trip	●	●			●	●	●													
Distance uphill on current trip	●	●			●															
Maximum altitude on current trip	●	●			●	●	●													
Average uphill gradient of current trip in %	●	●			●	●	●													
Max. uphill gradient of current trip in %	●	●			●	●	●													
Total altitude gain uphill, for Bikes 1+2	●	●			●	●	●													
Maximum altitude of all trips, for Bikes 1+2	●	●			●	●	●													
Maximum altitude Bike 2	●	●			●	●	●													
Altitude loss downhill on current trip	●	●			●															
Distance downhill on current trip	●	●			●															
Ø downhill gradient (current trip) in %	●	●			●															
Max downhill gradient (current trip) in %	●	●			●															
Presettable home altitude	●	●			●	●	●													
Recalibration of home altitude	●	●			●	●	●													
Hiking mode/Running mode	●	●	●	●	●															
FEATURES																				
Abbreviations/short text display																	●	●	●	●
7 languages/full text display	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●				
Service Interval Indicator	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●				
Stop Watch Indicator	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●				
Sleep-Mode	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Programmable odometer	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

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Love for Details.

VDO Cyclecomputing develops cycle computers with great passion. Inspired by the requests of our customers and the experience of the professionals we continuously optimise the functionality of our products.

We develop each and every detail with great care and passion. Take for example our patented ratchet-magnet*: It can be mounted without any tool and is easy to adjust. Its Alnico-magnet pellet has much more power (reach) than standard magnets. That makes sensor/magnet alignment much easier. Your speed reading works like a charm.

Or take the new universal handlebar/stem mount, available for all models: It can be easily prepared for either bar or stem mounting. Customized metal components secure the fixing screws so that you can still benefit from our proven Twist-Click-System.

Our development engineers are hard to please: They do not rest until the last tiny detail performs reliably. Our Quality-Control staffs make sure that this smooth performance is durable in everyday use.

Enjoy our product range and make yourself stand out from the masses by using superior technology and classy design.

VDO CYCLECOMPUTING

* All VDO computers are originally equipped with the patented VDO ratchet-magnet.

Your demand for a cycle computer is our inspiration. Great passion and love for details are our motivation. Developing and perfecting our products, we primarily orientate ourselves by the experiences of the professional riders.

The result is innovation, made by VDO Cyclecomputing.

VDO CYCLECOMPUTING

Minimalist.

You only want the basics covered!
Series-A sets highlights in the entry-level segment. The innovative and classy design makes the four models eye catchers, hence objects of desire. Their 4 or 8 functions cover the basic needs. The well organized display with its huge digits is easy-to-read in any situation. Innovative details like the universal handlebar/stem mount and the signature VDO spoke magnet with ratchet mechanism make the Series-A cycle computer the perfect companion for all cyclists seeking high-end VDO technology at affordable prices. As A4+ and A8+ the Series-A models are available with analogue wireless transmission.

A4

Cycling Functions
- Current speed
- Trip distance
- Clock
- Total distance odometer

Features
- Programmable odometer
- Sleep Mode (Display shut-down mode)
- Auto Start/Stop
- Universal twist-click handlebar/stem mount
- Ratchet magnet
- KM or MI display selectable
- Two operating buttons only
- Data saving (20 sec.) during battery change

A4+

Cycling Functions
- Current speed
- Trip distance
- Clock
- Total distance odometer

Features
- Wireless transmission (analogue) with large transmission distance (65 to 75 cm / 25 to 29 in)
- Programmable odometer
- Sleep Mode (Display shut-down mode, receiver shut-down)
- Auto Start/Stop
- Universal twist-click handlebar/stem mount
- Ratchet magnet
- KM or MI display selectable
- Two operating buttons only
- Data saving (20 sec.) during battery change

A8

Cycling Functions
- Current speed
- Trip distance
- Clock
- Total distance odometer
- Average speed
- Maximum speed
- Trip timer
- Pacer (indicates if current speed is above or below average)

Features
- Programmable odometer
- Sleep Mode (Display shut-down mode)
- Auto Start/Stop
- Universal twist-click handlebar/stem mount
- Ratchet magnet
- KM or MI display selectable
- Two operating buttons only
- Data saving (20 sec.) during battery change

A8+

Cycling Functions
- Current speed
- Trip distance
- Clock
- Total distance odometer
- Average speed
- Maximum speed
- Trip timer
- Pacer (indicates if current speed is above or below average)

Features
- Wireless transmission (analogue) with large transmission distance (65 to 75 cm / 25 to 29 in)
- Programmable odometer
- Sleep Mode (Display shut-down mode, wireless receiver shut-down)
- Auto Start/Stop
- KM or MI display selectable
- Universal twist-click handlebar/stem mount
- Ratchet magnet

Series-A

Pretentious.

If you demand more, you need the Series-C.
More information, easier menu control, more techniques. The four Series-C models offer up to 22 functions. Despite this information versatility, the EMC[3]-Easy-Menu-Control operating system is simple and intuitive: With four keys you navigate through the menu, like with a modern cellular phone. The full-text display always gives clear information about the readout in display, what further menu options you have and instructions what to do. All functions of the Series-C models are easy to control, even while riding – the instruction booklet is nearly needless.
All Series-C models are available with digital wireless transmission[2] (DS). The DS technology is less prone to be interfered with. In the rare case of interference, up to 45 seconds of riding data is stored and later recovered and updated. Even the cadence is transmitted digitally wireless[1]! The hassle with cables has come to an end!
All Series-C models are ready to be used on two bikes.

[1] Cadence-Kit available optionally
[2] Models C1DS, C2DS, C3DS, C4DS
[3] EMC = Easy Menu Control

C1

Cycling Functions
- Current speed
- Trip distance
- Ride timer
- Average speed
- Clock (permanently displayed)
- Pacer (indicates if current speed is above or below average)
- Total distance odometer for Bike 1

Prepared for use on 2 bikes
- Two wheel sizes (for 2 bikes) settable
- Total distance odometer for Bike 2
- Total distance odometer Bikes 1+2

Features
- Full text display in 7 selectable languages
- EMC Easy Menu Control
- Service Interval Indicator
- Auto Start/Stop
- Sleep Mode (display shut-down)
- Programmable odometer
- Twist-Click mounting

C1DS

Wireless version of the C1. See above for functions. Additional features:
- Wireless (digital wireless transmission)
- Cadence ready. Optional upgrade with digital wireless cadence equipment possible.

C2

Cycling Functions
- Current speed
- Trip distance
- Ride timer
- Average speed
- Maximum Speed
- Stop watch
- Clock (permanently displayed)
- Pacer (indicates if current speed is above or below average)
- Total distance odometer for Bike 1

Prepared for use on 2 bikes
- Two wheel sizes (for 2 bikes) settable
- Total distance odometer for Bike 2
- Total distance odometer Bikes 1+2

Features
- Full text display in 7 selectable languages
- EMC Easy Menu Control
- Service Interval Indicator
- Auto Start/Stop
- Sleep Mode (display shut-down)
- Stop watch icon (flashes when stop watch is activated)
- Programmable odometer
- Twist-Click mounting

C2DS

Wireless version of the C2. See above for functions. Additional features:
- Wireless (digital wireless transmission)
- Cadence ready. Optional upgrade with digital wireless cadence equipment possible.

C3

Cycling Functions
- Current speed
- Trip distance
- Ride timer
- Total ride time for Bike 1
- Average speed
- Maximum Speed
- Stop watch
- Clock (permanently displayed)
- Navigator (programmable trip counter, counts forwards and backwards to follow premeditated tours/road books)
- Pacer (indicates if current speed is above or below average)
- Total distance odometer for Bike 1

Prepared for use on 2 bikes
- Two wheel sizes (for 2 bikes) settable
- Total ride timer Bike 2
- Total ride timer Bikes 1+2
- Total distance odometer for Bike 2
- Total distance odometer Bikes 1+2

Features
- Full text display in 7 selectable languages
- EMC Easy Menu Control
- Service Interval Indicator
- Auto Start/Stop
- Sleep Mode (display shut-down)
- Stop watch icon (flashes when stop watch is activated)
- Programmable odometer
- Twist-Click mounting

C3DS

Wireless version of the C3. See above for functions. Additional features:
- Wireless (digital wireless transmission)
- Cadence ready. Optional upgrade with digital wireless cadence equipment possible.

C4

Cycling Functions
- Current speed
- Trip distance
- Ride timer
- Total ride time for Bike 1
- Average speed
- Maximum Speed
- Stop watch
- Countdown
- Timer
- KM/MI forecast (w/COUNTDOWN active)
- KM/MI remaining (w/COUNTDOWN active)
- Timer 1 / Timer 2
- Timers 1+2 (for interval training)
- Clock (permanently displayed)
- Navigator (programmable trip counter, counts forwards and backwards to follow premeditated tours / road books)
- Pacer (indicates if current speed is above or below average)
- Total distance odometer for Bike 1

Prepared for use on 2 bikes
- Two wheel sizes (for 2 bikes) settable
- Total ride timer Bike 2
- Total ride timer Bikes 1+2
- Total distance odometer for Bike 2
- Total distance odometer Bikes 1+2

Features
- Full text display in 7 selectable languages
- EMC Easy Menu Control
- Service Interval Indicator
- Auto Start/Stop
- Sleep Mode (display shut-down)
- Stop watch icon (flashes when stop watch is activated)
- Beeper for timing functions
- Programmable odometer
- Twist-Click mounting

C4DS

Wireless version of the C4. See above for functions. Additional features:
- Wireless (digital wireless transmission)
- Cadence ready. Optional upgrade with digital wireless cadence equipment possible.

Series-C

Demanding.

What about more?
For the advanced cyclist there is more of interest than just straight speed and distance information. Models HC 12.6 and MC 1.0 or MC 1.0+ have been designed for the special needs of advanced riders. The HC 12.6 provides its owner with the current heart rate[1] while monitoring the times spent in the individually settable pulse-limit zones. The MC 1.0 and its wireless version[2], the MC 1.0+ permanently show actual altitude, actual gradient, actual temperature and monitor all related altimeter information. A highlight of these models is the large three-line multi-information-display. Easy to read it shows 7 functions at one glance. This avoids complicated searching for information. Hands safely rest on the handlebar while riding.

[1] Analogue wireless transmission for heart rate
[2] Analogue wireless transmission for speed

HC12.6

Cycling Functions
- Current speed
- Trip distance
- Total distance Bike 1
- Ride time
- Clock
- Average speed
- Maximum speed
- Comparison current to average speed
- Navigator = 2nd distance counter, settable, used to follow roadbook instructions

Prepared for use on 2 bikes
- 2 wheel sizes (for 2 bikes) settable
- Total distance Bike 2
- Total distance Bikes 1 +2

Heart-Rate Functions
- Current heart rate
- Pulse-Stopwatch
- Average HR
- Maximum HR
- Time in training zone
- Time below training zone
- Time above training zone
- Beeper for HRM-Limit-Alarm
- Visible indication for HRM transmission
- High and low limits settable

Features
- Full text display in 7 selectable languages
- 3-line display
- Service Interval Indicator
- Auto Start/Stop
- Sleep Mode (Display shut down)
- Programmable odometer
- Twist-Click mounting

MC1.0

Cycling Functions
- Current speed
- Trip distance
- Total distance Bike 1
- Ride time
- Clock
- Stopwatch
- Average speed
- Maximum speed
- Comparison current to average speed
- Navigator = 2nd distance counter, settable, used to follow roadbook instructions

Altimeter Functions
- Current altitude
- Current gradient
- Current temperature
- Altitude gain on actual trip
- Max. altitude on actual trip
- Average gradient on trip
- Steepest gradient on trip
- Total gain in altitude for Bike 1
- Highest altitude of all trips for Bike 1
- Settable home altitude
- Recalibration of home altitude
- Actual altitude correction mode

Prepared for use on 2 bikes
- 2 wheel sizes (for 2 bikes) settable
- Total distance Bike 2
- Total distance Bike1 +2
- Total gain in altitude Bike 2
- Max altitude for Bike 2

Features
- Auto Start/Stop
- Heavy Duty Wire
- 3-line display
- Full text display in 7 selectable languages
- Service Interval Indicator
- Sleep Mode (Display shut down)
- Stopwatch running-icon (flashing)
- Programmable odometer
- Twist-Click mounting

MC1.0+

Wireless version of MC 1.0 Functions and Features as above, plus:
- Analogue wireless transmission

Series-C

Demanding

HC12.6 - MC1.0/+

Extreme.

You want it all!
Cycling functions, heart-rate monitoring, altitude, cadence and power measuring (Watt) and PC analysis software?
The Series-Z models Z1, Z2 and Z3 offer optimal information for the ambitious rider during practise and its perfect scheduling, planning and controlling on the PC. The Series-Z models are operating on digital wireless transmission for speed, heart rate and cadence[1]. Their ANT+Sport[2] transmission protocol provides stable and secure connections of the transmitters and the Series-Z computer. All Series-Z models are developed and designed as a watch and come with the matching wrist band. Of course, the Series-Z models can be mounted on the proven Twist-Click socket on either stem or handlebar.
Series-Z models with PC interface can store up to 100 hours of riding data in their memory, enough for an entire crossing of the Alps. At home, you can then look up all your data with the PC-analysis software, analyze your performance and monitor your progress. All models feature a hiking-mode; they can also be used for hiking, running and Nordic walking.

[1] Optional cadence upgrade-kit available
[2] ANT+SPORT is a registered trademark of DYNASTREAM Inc.

Z1

Cycling Functions
- Actual, average and maximum speed
- Trip time/total ride time
- Trip distance counter/total distance
- NAVIGATOR (2nd programmable trip counter)
- Cadence (optional) actual/average/ and maximum
- 2 wheel sizes programmable

Altimeter Functions
- Current altitude/gradient/temperature
- Altitude gain/loss (m/ft) on current trip
- Trip distance uphill/downhill
- Average/maximum gradient uphill/downhill
- Highest elevation on current trip/all trips
- Power measuring in WATT
- Total altitude gain/loss (m/ft)
- Hiking mode selectable for hiking, running and Nordic Walking
- Double wireless = Digital wireless transmission for speed and cadence (optional)
- ANT+Sport transmission protocol**

Z2

Cycling Functions
- Actual, average and maximum speed
- Trip time/total ride time
- Trip distance counter/total distance
- NAVIGATOR (2nd programmable trip counter)
- Cadence (optional) actual/average/ and maximum
- 2 wheel sizes programmable

Heart-Rate Functions
- Actual/average and maximum heart rate
- Percentage of individual maximum heart rate
- 3 training zones
- Manual/automatic calculation of training zones
- Times in/below or above previously preset limits
- 6 different timers
- Lap timer for 50 laps
- calorie consumption
- Recovery time/heart rate measuring
- Hiking mode for hiking, running or Nordic Walking
- Triple wireless = Digital wireless transmission for speed, heart rate and cadence (optional)
- ANT+Sport transmission protocol**

Z3

Cycling Functions
- Actual, average and maximum speed
- Trip time/total ride time
- Trip distance counter/total distance
- NAVIGATOR (2nd programmable trip counter)
- Cadence (optional) actual/average/ and maximum
- 2 wheel sizes programmable

Heart-Rate Functions
- Actual/average and maximum heart rate
- Percentage of individual maximum heart rate
- 3 training zones
- Manual/automatic calculation of training zones
- Times in/below or above previously preset limits
- 6 different timers
- Lap timer for 50 laps
- Power measuring in WATT
- calorie consumption
- Recovery time/heart rate measuring

Altimeter Functions
- Current altitude/gradient/temperature
- Altitude gain/loss (m/ft) on current trip
- Trip distance uphill/downhill
- Average/maximum gradient uphill/downhill
- Highest elevation on current trip / all trips
- Total altitude gain/loss (m/ft)
- Hiking mode selectable for hiking, running and Nordic Walking
- Triple wireless = Digital wireless transmission for speed and cadence (optional)
- ANT+Sport transmission protocol**

Z2 PC-Link

See Z2 for Functions.
Additional Features:
- Memory for up to 100 hours of riding data
- PC Analysis software (training routines/evaluation)

Z3 PC-Link

See Z3 for Functions.
Additional Features:
- Memory for up to 100 hours of riding data
- PC Analysis software (training routines/evaluation)

** ANT+SPORT is a transmission protocol by DYNASTREAM Inc. For more information: www.thisisant.com
Fore more in-depth information about Series-Z go visit www.vdocyclecomputing.com

Extreme

Series-Z

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