

# Model **VDO Z1**

## DATASHEET

FUNKTIONEN UND FEATURES	Min---Max	Dimension
<b>Cycling Information</b> 1. Current Speed 2. Current Distance 3. Total Distance Bike 1 (resettable) 4. Total Distance Bike 2 (resettable) 5. Total Distance Bikes 1 + 2 6. Current trip timer 7. Total Ride Timer Bike 1 8. Total Ride Timer Bike 2 9. Total Ride Timer Bikes 1 + 2 10. Average Speed 11. Real time comparison of actual and average speed, indication by arrows showing speed difference of +/- 1 km/h 12. Maximum Speed 13. Second, individually programmable distance counter; either forward or backward counting possible (NAVIGATOR) 14. Bike Service-Interval-Display (Service-Interval presettable individually for bike 1 and bike 2) 15. Cadence Data (optional, with cadence equipment installed) --- Current cadence --- Average cadence --- Maximum cadence 16. Two presettable wheel circumferences (wheel sizes)	0 to 120 KMH / 0 to 75 MPH 0 to 9999,99 KM/ 0 to 9999.99 M 99.999 KM / 99,999 M 99.999 KM / 99,999 M 199.999 KM / 199,999 M 0 to 24:00:00 Std. 0 to 999:59 Std. 0 to 999:59 Std. 0 to 1999:59 Std. 0 to 119,99 KMH/ 0 to 74.99 M  0 to 119,99 KMH/ 0 to 74.99 M 0 to 999,99 KM/ 0 to 999.99 M  100 to 2.000 KM / 60 to 1,240 M  0 to 220 RPM  100 to 3999 mm / 3,94 to 157,4 inch Standard WS 1 = 2.155 mm / 84.84 inch Standard WS 2 = 2.000 mm / 78.74 inch	KMH / MPH KM / M KM / M KM / M KM / M hh:mm:ss hhh:mm hhh:mm hhhh:mm KMH / MPH  KMH / MPH KM / M  KM / M  RPM  mm / inch
17. Power (current watt-performance)* 18. Six selectable timers (Timer -indicator to show that a timer is active) 1) Stopwatch 2) Countdown 3) Timer 1 4) Timer 2 5) Timer 1+2 (Combination of Timer 1 plus Timer 2, presettable number of repeats for Interval-Training up to 99 repeats)	0 to 9999,99 WATT  0 to 23:59:59 0 to 23:59:59 0 to 23:59:59 0 to 23:59:59 0 to 23:59:59, up to 99 Repeats	WATT  hh:mm:ss hh:mm:ss hh:mm:ss hh:mm:ss hh:mm:ss
<b>Altimeter-Information</b> 1. Current altitude (permanently displayed) 2. Current gradient in % (permanently displayed) 3. Current temperature (permanently displayed) 4. Altitude gain uphill on current trip 5. Distance uphill on current trip 6. Maximum altitude on current trip 7. Average uphill gradient of current trip 8. Maximum uphill gradient of current trip 9. Altitude loss downhill on current trip 10 Distance downhill on current trip 11. Average downhill gradient on actual trip 12. Maximum downhill gradient on current trip 13. Total altitude gain uphill, for Bike 1 and 2 14. Total altitude loss downhill, for Bike 1 and 2 15. Max altitude of all trips, for Bike 1 and 2  16. Adjustable home altitude 17. Adjustable current altitude 18. Fast re-calibration of actual air pressure to home altitude 19. Resettable total gain in altitude uphill, for Bike 1 and Bike 2 20. Resettable total loss in altitude downhill, for Bike 1 and Bike 2	-380m to + 6500 m / -1247 ft to 21325 ft 0 to 100 %  -20 to + 60 °C / -4°F to +140 °F 0 to 999.999 m / 0 to 999,999 ft 0 to 9.999,99 KM / 0 to 9,999.99 M -380m to +6500 m / -1247 ft to + 21325 ft 0 to 100 % 0 to 100 % 0 to 999.999 m / 0 to 999,999 ft 0 to 9.999,99 KM / 0 to 9,999.99 m 0 to -100 % 0 to -100 % 0 to 999.999 m / 0 to 999,999 ft 0 to 999.999 m / 0 to 999,999 ft -380m to + 6500 m / -1247 ft to 21325 ft  -380m to + 6500 m / -1247 ft to 21325 ft -380m to + 6500 m / -1247 ft to 21325 ft  0 to 999.999 m / 0 to 999,999 ft 0 to 999.999 m / 0 to 999,999 ft	m / ft %  °C / °F  m / ft KM / M m / ft % % % m / ft KM / M % % m / ft  m / ft m / ft  m / ft m / ft  m / ft m / ft



<b>9. Timer-Indicator, flashing, if a Timer is active</b> <b>10. Beeper for</b> -- Heart rate alerts -- Timer-Beep -- Alarm-Beep <b>11. Selectable km/h or mph display, C° or F° display, automatic re-calculation of all data</b>	<b>Flashing clock-symbol</b>	
<b>Packing Contents</b> 1 Computer 1 Wristband 1 Universal mount  1 Speed transmitter 1 Battery Computer 1 Battery speed transmitter 1 Magnet for speed 10 cable ties 1 Instruction Manual	<b>49,6 x 46,6 x 16,5 mm</b>  <b>Universal Mount for stem or handlebar mounting</b>  <b>3V, type 2032, lifetime 300 riding-hrs</b> <b>3 V, type 2032, lifetime 800 riding-hrs</b>	<b>H x B x T</b>

\* The WATT-display is based on a mathematical algorithm.  
Differences to a true mechanical WATT-measurement system are possible



\*\* ANT+ is a standard wireless transmission protocol.

For Series Z, speed, heart rate and cadence are supported.  
Duo-Trap and Power is NOT supported.

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