

Technical Datasheet **ORTOMAT**

ORTOMAT Data logger complete with radio and vibrophone

Weight	:	ORTOMAT one-part	480gr.
Measure	:	ORTOMAT one-part	d=40mm x 155mm
Weight	:	ORTOMAT two-part	620gr.
Measure	:	Logger	d=40mm x 120mm
	:	Sensor	d=40mm x 70mm
	:	Cable length	350mm
Power supply	:	3.6V / 3.40Ah Lithiumbatt. (fixed installed)	
Protection class	:	IP 68	
Operating temp.	:	-10°C to +50°C	
Humidity	:	0-100% RH	
Battery service life	:	approx. 5 years (dependant on configuration)	
Wave band	:	430 MHz Band / 10mW, 10% Duty Cycle	
Band wide	:	433.92MHz +/-50 kHz	
Data rendering	:	Digital walkie-talkie signal	
Rendering time	:	0,6 sec. / complete data movement	
Radio range	:	approximately 100m by visibility connection	
Vmax-transit selection	:	80km/h by 1 sec sendpuls	
Connection to computer	:	USB or RS 232	
Data memory	:	40 measuring days	
Sensor technology	:	vonRoll hydro-Piezotechnology for noise reception	
Certification	:	CE (Conformité Européenne)	

ORTOMAT - Controller

Weight	:	530gr.
Measure L x B x H	:	240 x 95 x 54mm
Measure Display L x B	:	43 x 64mm
Protection class	:	IP 54
Operating temp.	:	-10°C to +50°C
Humidity	:	0-95% RH
Power supply intern	:	4x 1.5V Alkaline-batteries
Bustle time	:	about 20h
Power supply extern	:	12Vdc
Connection to computer	:	USB or RS 232
Output data controller	:	indicate display controller
	:	1 (Controller): Address / leak status / 40 days diagram
Output data Software 1-4	:	ORTOMAT®-Software
	:	2 (Software): Address / leak status / 40 days diagram / Report
Radio communication	:	digital / 433 MHz
Antenna connection	:	BNC
Data memory	:	about 500 complete data movement

PC-Software

Manufacturer/License : vonRoll Plc.
Name : ORTOMAT PC-Software
Programming language : C++
Installer : no → Executable exe file

System requirements (OS)

Operating System : MS Win XP / VISTA / 7 / 8
Required ports : min. 1x USB (version 1.0 or higher)
Display resolution : 1280x1024
Additional software : no
Free memory : 1-10 MB (depends on number of measuring points)

