TRP Installation and user guide

Ypqp°pynp@_YV;;







7 _YGI RLYZ KLZI YRVV_RV U

_YW; °Invp°x Ity q yn tzy @

- Zsznv lyo twx pl °px py zy9 lt 2q°pp qlwulyo px «p°l °p
- _txp3 lx «poxpl °p z°potylow/sxpxz°
- NWZ «z t tzy °pnz °otyr
- Ry pr°l po py z°@
- 9 ltlnnpwp°zxpp°lyopx«p°l °ppyz°
- NWZ

8 YMT V UP_V Y RUZ_GSSG_PV U V a LYa RLb



847 Npyp°l wop n°t« tzy

G z °xpl °pxpy tp2 z yppo zsl plopotnipoWi tsYMTzytz°ty iwpo z@

- Izydpr °p sp z«p°l tyr x zop 2 sp x pl °px py «p°tzo 2 sp s°p szwo lyo sp lwl°x
- Kt«wl spxpl °p2rpyp°lpIZaz°WKMotypo
- Izwapon z ° °Invp° x pl °p . tyr IYM3z3/ZHvp /
- Mawaty spollml p

Pt «z tmwp zlnnp spollmlp tyr sp zq l°p KHT zyt z° «°z topo4

9 PUZ_GSSG_PVUVMYMTVUP_VYGUKKHTVUP_VY

<u>WSLGZLUV_L_OG_dV'T'Z_OGaLGKTRJFZ_YG_VYYRNO_ZVU_OLIVTW_LY_VRJZ_GSSYM</u> <u>TVUP_VY</u>

7^z- zv s' _pv u @ _____

lzyypn spxplwwtn'ZH z°lrpvp

atl b tyoz p «vzr°l z°2 ot «w/ sp nzypy zq sp 'ZH vp lyo oz mwp3nwtnv zy Up pzRtj c4c4cj66666666jp «4pp4

> 8^{uk} ZV S'_PV U @KV b USV GK YMT V UP_VY MV SSV b PUN_OL SPUR

<u>s «@35 ««z°4yp pz4nzx5n zxp°5q°5</u>q°5«z°lv5al°tnwp/57799===3+l9+G?w+l9+G?nsl°rpxpy3°αβ <u>xzytz°</u>

- Vy sp q° tyoz pwpon sp whyr lrp2 spy qz°l» tnv ty lwwl tzy vpp« sp opd w p tyr m lwtol tyr sp nnp t p tyoz q²zx sp p « «°zr°lx 4G sp pyo zq sp ty lwwl tzy2 pwpon sp z« tzy *Ypmzz yz* lyo nwtnv zy *Myt s* 4
- Vynp spnzx « p°°p l° 2wl yns YMTzytz° zq l°pm oz mwp3nwtnvtyr zy sp sz°n n°pl pozy spop v z« z°q²zx sp l° Tpy
- Vy sp Ozxp tyoz zq sp nzydpr°ltzy tl°o2 pwpon sp wyr lrp lyonwnov zy Up

ticeree	Walcome,
General	Plazar faillew the ships to fine ice APMonitor onfair
Plates.	You will be able to mobile software and mours later trough software outlines.
Eleie Hiroge	
Ac	
	Language,

Vysp Npyp⁹/w tyoz ząspnzydpr^oltzy tl^oonwany zy Up 4

Ypxl°v @Vynp spty lwwltzysl mppynzx «wppo2 spnzydpr °ltzyxl twwmpnslyrpo .°trs 3nwtnv zy spwtypzq sp °lnvp° spynwtnv zy *lzydpr °ltzy* zy spYMTzytz° «°zr°lx z«tzy

 bspy °p» p po m sp p « tl°o2 °px z p sp whmpw ty lww sp zq l°p mpop °p ty p° tyr lyo ty p° sp YMS_z3 'ZH vp «°pop°lmw tyr sp 'ZH p py tzy

Home	Licence
General	Please connect a RF-to-USB key .
Data increase	
Read .	
	.*.
1	and a second

- Ry sp tl°o tyoz *Stnpynp*
- nwtnvzy *Up* 4
- Ry sp tyoz KI / z^o/rp z yppo z nzydpr ^ol p sp ol lml p nzyypn tzy

0-M



Gxp inp two mpot «w poted sprzyyprizy imppop	Gxp Irp	twwmpot«wl	potqspnzyypntzy	nnppopo ²
--	---------	------------	-----------------	----------------------

_st tycp*xl tzyt «*z topozy spwl/mpw «<wntpo ts spop top

Pqz ozy-slpst tycz°x ltzy «wplpnzy ln z ° ««wtp°4

WEBMONITOR

Non de la base KEY001928 Identifiant KEY001928 Mut de passe: QHPOQV

al database	
mote database :	
Database type :	MySQL S
atabase connection settings	
Hostname:	db.newsteo-webmonitor.co
HTTP Encapsulation :	
Port	443
Username:	KEY001688
Password :	*****
Use existing database :	KEY001688
l	

key12 Configuration

RF Monitor & DB Monitor

Hote (ds. Hewslau-websonitor.com) Hote (d) Part (443) Non d'utilisater (KEY001928)

intente

KEY08192

Ispnv spnzyypn tzy

yppo z pwpon kkYpxzpollmlp–lyonzx«wpp sptycę°xltzy ts sp p°ylxp2 z°olvoollmlpylxp4 dz «I

Home General Licence Data storage GOLD licence let's you choose between a local database (such as a PREMIUM licence) MySQL database Documents root folder : All documents generated by the application (csv reports, pdf reports, charts, local dat will be stored in this folder. Please verify that each system user has the permission to access this folder C-WieretPuble/Documents/NEWSTED/NEMontor	RFMonitor	first run
General Database : Licence GOLD licence let's you choose between a local database (such as a PREMIUM licence) MySQL database. Data storage MySQL database. Notut Configurer Database must be configured Documents root folder : All documents generated by the application (csv reports, pdf reports, charts, local dat will be stored in this folder. Please verify that each system user has the permission to access this folder C:\Users\Public\Documents\NEWSTED\REMontor	ome	Data storage
GOLD licence let's you choose between a local database (such as a PREMIUM licence) MySQL database.	eneral	Database :
Documents root folder : All documents generated by the application (csv reports, pdf reports, charts, local dat will be stored in this folder. Please verify that each system user has the permission to access this folder C-Wiers\Public\Documents\NEWSTED\REMONTOR	cence	GOLD licence let's you choose between a local database (such as a PREMIUM licence) and a MySQL database.
Documents root folder : All documents generated by the application (csv reports, pdf reports, charts, local dat will be stored in this folder. Please verify that each system user has the permission to access this folder C:\User\Puble\Documents\WEWSTED\BEMontor	ata storage	Configurer Database must be configured
All documents generated by the application (csv reports, pdf reports, charts, local dat will be stored in this folder. Please verify that each system user has the permission to access this folder C-Wers\Puble\Documents\NEWSTED/REMontor		
Please verify that each system user has the permission to access this folder C-Ween\Public\Documenta\WEWSTED\RFMcontor		Documents root folder :
C-VUsers/Public/Documents/NEWSTED/RFMonitor	T	Documents root folder : All documents generated by the application (csv reports, pdf reports, charts, local database, will be stored in this folder.
	. [Documents root folder : All documents generated by the application (csv reports, pdf reports, charts, local database, will be stored in this folder. Please verify that each system user has the permission to access this folder
Beware, since this version, to prevent user access rights problems, default root folder path h changed !	(a)	Documents root folder : All documents generated by the application (csv reports, pdf reports, charts, local database, will be stored in this folder. Please verify that each system user has the permission to access this folder C:\Users\Public\Documents\NEWSTED\RFMontor

🐑 local database	
Bemote database	
Database type :	MySQL
Database connection sett	ings
Hostna Check cor	nnection
HTTPE	
Due O	
Poic U	Jatabase connection test succeed
Userna	
Passwo	
Passwo	ОК
Passwo Use	
Use	OK
Uso	
Use	OK
Use	OK

nwanvzy *Up* 4.



Wwplpyzpsltqz ly z«z «zypspoll z°lrpnzydpr°ltzy2z twwmplmwpz °p°yzt dyzx YMTzytz°@ZptyrDlzydpr°ltzy tl°o



Hopd, w splox tyt °l z°nzyypn tzy vzrtyt l czwez @

Zpwpn spwznlwxzop

₩ z°o@789:



Pq z yppo z x zotq splox tyt °l z° vzrty z x l oz z d'zx sp Zp tyr D'p° x lylrpx py@



: Z_GY_RUN_OL_YGI RLY b P_OYMT V UP_VY

:47 YMT SI yns 33Zl°tyr sp°lnvp°

_sp °lnvp°t opwtyp°potyOtmp°yl tzyxzop.wpp«tyrxzop/4

73 Sl yns YMTzytz° 83 Izyypn z °YM3z3′ZHvp 2t twwmpl««pl°tyr tynslyypw7

Key co	ntrol Command list	Device Monitoring					
#COM	Key serial number	RF settings	Key hardware	Key firmware	Baud rate	License type	License number
COMB	KEYUUTE/L	RADIO CHANNEL	KEYIII	V19.0.9	625000	Premium	THUT-HDM5A-6LPAM-MUK33-LRYNE

93 V«py sp_YWIyo«whnp spml p°tp

- :3 Gntlpz°°lnvp°m t«tyr spxlrypzy spoptrylpol°pl G ««z° topztlltw/mwpozwaz tyr spwtyv@ <u>s «@35 ««z°4yp pz4nzx5n zxp°5q*5xz°lw5l°tnwp58==<:>83 to+l9+G?z3o31top3«z °3 wp3yp pz3°lnvp°333°+l9+G?q+l9+G?°pynp3°p3p3°«/</u>
- _st In tzy twetx x potl pw qz°np sp nzx x ytnl tzy mp ppy sp Rp lyo sp_°lnvp°



;3VyYMTzytz°2sp°lnvp° twwl zxltnlwwl««pl°ty spwt zqoptnp@

RFMonitor PREMI File View Databa	IUM - 7.10. ise Tools	7.22-v Settings	vorkspac Sessio	e_2018-	12-26.xml									
Description	Product t	Aleits	Conti	ID	Serial number	Battery	RF settings	Next transmi	measules	Device's commands	Current mode/statua	a Sensor 1 Senso	2 Sensor 3	Firmware
TRE TEST	TRE35 - 2	A	13	2022	TRE0007E6	B4% / 3.46V	Canal 7	00:	12 measures	- None	Live / Presence			1.4.45 Live/record
Identification of	(the Track	ter Config (Start)	juratio Stop ir	in mei record	nu 0	Battery/level	Radio channel	Time remaining before the next transmission	Nu hol trar	mber of command d indicates whether rsmission took pla	sion er the radio ce	State of the track Live/Record)	Br	Firmware version

; I V UMPN' YG_PV U V M_OL _YGI RLY b P_O YMT V UP_VY

;47 Izydpr °Itzyxpy

- Iwanv zy sp zzw 📈 tnzyzqspwzrrp°-wtyp.*V°°trs 3nwanv zy sp wzrrp°-wtyp*/
- _spy nythov zy kk/zydpr % tzy-4

Serial number	Battery	RF settings	Next transmi	measures	Device's
TRE0007E6	86% / 3.47V	Canal 7	471	19 measures	R None
				Display curves of m	easures
				Configuration	

;48 Lpn tzyzqsp nzxxlyo

Mz°l nzxxlyo z mplvpy tyzlnnz y @

- Z t«p spxlryp zy sp °lnvp° z p pn p spnzxxlyo
- V° blt q° spyp °lotz °ly xt tzy.B7 xty p/ _sp °lnvp° pyo l°lotz trylw«°p pynpp p° xty p

C RFMonitor PREM	1UM - 7.10.	7.22-v	vorkspac	e_2018-1	12-26.aml										
Description	Product I	Alerts	Confi.	n (ID	Serial number	Battery	RF settings	Nest transmi	measures	Device's commands	Current mode/status	Sensor 1	Sensor 2	Sensor 3	Firmware
TRE TEST	TRE35-2	A	X	2022	TRE0007E6	86% / 3.47V	dill Canal 7 Europe	09:	19 measures	1 command(s) waiting	Live / Presence				1.4.45 Live/record

ZMKV3_YW;36683676>

 _spxplrp 7 nzxxlyo lttyr otl««pl° l zzyl spnzxxlyosl mppylvpytyz lnnzy4

;49 W/zon topy toph tzy

- Zpwpon splm Kp tnp topy toph tzy
- Zpwpon I «p°zylwt potopytdp°. RK2y x mp°mp ppy6lyo<;;9;/</p>
- Ly p°l op n°t« tzy
- Iwinvzyk/Zpyo-z lwiolpspxzotopiltzy

Device identification	RF Settings	Time & Period	$\sqrt{f_{\rm AX}}$ Formulas	🔸 Firmware	
dentification					
Serial Number:	TREOO	ED			
Device ID:	123	3			
Device Description	DESCRIPTIO	IN			
Product type:	THES	52			
Firmware's type:	Live/re	cord	()	Firmware version:	1.4.45

;4 Islyrtyr sp°lotz nslyypw

Zpwpon splm YMZp tyr

Device identifica	ition 🍸 RF Settings 🚇	Time & Period 🛛 🕂 Time & Period	🤟 Firmware
Radio channel			
	Localization:	Europe 868 MHz	🔾 915 MHz
	Boot channel:	Chi EU1	
	Working channel:	Chi 1 (865.2MHz) 🗸	
Power consumption			
	Output power:	🚮 10dBm 30mA 🔍	Default is +10dBm
	Sensitivity:	High O Low	Default is High
Canal securization			
	Active		

- H opd w sp °lnvp° lyo sp YMB_z3 ZH vp l°p p zy nslyypw7 33 lslyypw7 «°z «p° tp @b spy sp vp t p zy lslyypw72 z nly op pn sp °lnvp° stns l°p zy ly z sp° nslyypw7 t l op pn tzy nslyypw4
- Rgyppopo z x l nslyrp sp°lotz nslyypwozwaz tyr sp p « @

74 Mt° z yppo z nslyrp spnslyypwzqsp°lnvp° 84 blt cz°spyp °lyxt tzyz° t«p spxlryp zy sp°lnvp°zppn p spnzxxlyo 94 lslyrp spnslyypwzqspYM3_z3″ZHvp m°trs 3nwinvtyr zy spwtypzqspvp

Ĵ Key co	ntrol 🕅 Command list	Device Monkoring			
#COM	Key serial number	RF settings	Key hardware	Key firmware	Baud rate
COM9	KEY001E7C	Chi EU1 10dBm 30mA	KEY111	Configure	key
				Reboot	

:4 Islyrp sp°lotz nslyypwty *YMZp tyr*

;4 St p5°pnz °o x z op

Zpwpon splm _*tx p/yo Wp°tz o*

Device identification î	RF Settings I Time & Period Vice 1	Formulas 🔸 Firmware
îrmware mode :		
Live / record mode	Leds	On command 'start record', open silent mode
O Monitorina mode	Oversampling	confirmation box
<u> </u>	Buffer restitution : 255	
Period settings		
Live period:	O Normal : 00 h 00 min	Fast: 55 s
8	Normal:	C East: 00 s

St p «p°tz o @ k pl °p °pnz °opo z top s p °pnz °otyr «p°tz o

_sp_YW; lvp lxpl °pl spnzydpr °lpowtrp«p°tzo.76 m opdj w/lyo pyo t z sp ₩4

 $YMTzytz^{\circ}ot \ll w$ $spxpl^{\circ}p$ $tsz^{\circ}pnz^{\circ}otyr$ $t4_sp$ $p^{\circ}nly lwz nspnv sp^{\circ}lnvp^{\circ}qyn tzytyr 2 p$ $sp s^{\circ}pszwo lyo spxpl^{\circ}pxpy \ll p^{\circ}tzo qz^{\circ}sp nzxtyr x pl^{\circ}pxpy nlx \ll ltry4$

Ypnz°o «p°tz o @xpl °pxpy «p°tz o o °tyr sp°pnz°otyr

- UVYTGS@xpl °pxpy «p°tzoq²zx 7 xty p z l : sz °
- MGZ_@xpl °pxpy «p°tzod²zx 7 pnzyo z;? pnzyo

;4< bstnsxzopszwoz pwpnE

Mz° sp_YW; pwpon spwtrp5°pnz°oxzop.p «mopod w/

;4= T pl °px py d°p» pyn

_spstrsp°spxpl °pxpyq°p» pynt2spql p°spxpxz° twwnpqw4

Mz°plx«wpo@l7xy«p°tzo tww.qbww.spxpxz° ty8xzys ts86;66°pnz°opo sznv lyopx«p°l °p4

bsp°pl l7; xy«p°tzo tww.qww.spxpxz° ty8 pl° ts8?666°pnz°opo sznv lyo px«p°l °p4

;4⊳ V p°lx «wtyr

- _spzp°lx«wyrz«tzylwaz zslplstrsp°xpl°pxpy q°p» pyn spy sp s°pszwort°plnspo4
- Wopl pmpl°tyxtyosl st z«tzytyn°pl p spml p°nzy x«tzy
- bspy sp s°p szwot pnppopo@
 ✓ _spx pl °px py «p°tzonslyrp z 7 x pl °p 5 x ty p ty sp UV YT GS «p°tzo
 ✓ _spx pl °px py «p°tzonslyrp z 7 x pl °p 5 pnzyoty sp MGZ_ «p°tzo

;4? _s°pszwo

- Ytrs 3hwtnvzy spwtypzq spop tnp spyzy lzydpr °l tzy
- Zpwpon splm _*s°p sz wo z° Mz°x w*/

inegotor consigure	stion				
Device identification	🔋 RF Settings 🕻	Time & Period	holds 🔸 Firmware		
Temperature Ac	c Norm Height	Energy Norm			
	150 4		50.0 T		
	100		800		
	-15.0	100	350	800	
-40°C					85°C
TRE0007E6 : Configura	ation				
Device identification	😤 RESettings	Time & Perind Ver Form			
C Device Identification	Product:	The created the tarm	A Filling C		
Factory Product					
ice:	Name:	Temperature		Unit	°C
eriodic Temp hnoka	Range:	-40 / 85 (Min	(Max)	Data encoding:	16 🕞 📖
reeFal nergy	Hide graph:				
vènements	Fs (s) =	1			
imulas ;		2 //FIRMWARE_THRE	SHOLD;		
- × - 3 & C	8	4 //DO NOT_EDIT;			
CHUCKNE	-3	5			
		7			
	Tutt	*			
	Thresholds	<	-15 😜 10	* 35 *	50 <u>*</u>
	Thresholds	Dkable	-15 🔆 10	35 € 150 €00	60
	Thiesholds	Deable		35 € 150 €	50 ÷

;476 lzydpr °ltzyzqsppx «p°l °ps°pszwo

Zp sp s°p szwo stns nz°°p «zyo z sp op t°po wp pwzqlwp° oz° sp °l nvp°@



- 74 Kl°v mwp°lyrp@°trrp° p° wz lwp° 84 Strs mwp°lyrp@°trrp° wz lwp° 94 N°ppy °lyrp @yz lyp° .yz °x lw°lyrp/ :4 V°lyrp°lyrp@°trrp° strs | wp°
- ;4 Ypo °lyrp @ °trrp° p° strs | wp°

;477 lzydpr °ltzyzqspsznv s°pszwo

Device identification	on î RFS	Settings	Time & Period	A Thresholds	Firmware		
Temperature	Acc Norm	Height	Energy Norm				
Disable		0.0 🔹	0.0 🌻 📕 3	000.C 🛊 3000.	C 🌲		
0.0 3000.0						olo	
mG							 278

Mz° sp sznv z nly-sl p sznv vz p° sly p°z

TF 007 : Configuration

🜡 Temperature

Disable

Mz° sp sznv wz p° sly 9N sp_YW; lvp spxpl °p °pr wl°w.°pop° z pn tzy?48/

30 🌻

X

_spytlmzpttyxN

Acc Norm

Mz°ly sznvstrsp°sly9N.9666xN/2sp_YW; °pnz°o spppy.°pop°z pntzy?49/

■ Ryz °plx«wp@

;478 lzydpr °ltzyzq spsptrs s°pszwo

Height

0

🥏 Device identification î RF Settings 🚇 Time & Period 🛕 Thresholds 👎 Firmware

Energy Norm

0 🗘 🚺 30 🌲

Mz° społww2 z nly-sl pl sptrs wz p° sly p°z

_sp yt lmz pt ty nx

Ryz °plx«wplmzp@ Mz° spd,ww.strsp° sly96nx sp_YW; °pnz°o spppy.°pop° z pntzy?4/

;479 lzydpr °l tzy zq sp Lyp°r Uz°x s°p szwo

Device identification	î RFS	iettings	Time & Period	🔥 Thresholds	🔸 Firmware		
Temperature A	Acc Norm	Height	Energy Norm				
Disable		0	0 🛊 📕 4	400	•		
0,0			400.0				

- _sppyp°r nlwawitzy lvp tyzlnnz y spo°l tzyzq sp sznv tyx 2 z nlysl plolwwwz p° sly p°z
- _sp yt Imz pt ty x Llx «wpmpwz @

Mz°l sznv tslo°l tzystrsp° sly:66x 2 sp_YW; °pnz°o sp sznvlyonlwa w p sp sznvpyp°r lvtyr tyzlnnz y sp sznvo°l tzylyo spxpl °pzq sp sznv4

;47: Ypnz°otyr nl x «l tr y

;47:47Zl°tyr sp°pnz°otyr

- Vynp spxzop *St p5°pnz °o* sl mppy pwpn po
- Iwbnvzy *ZI°° pnz°otyr*

Configuration	F3
Start recording	
Start booster mode	
Set to hibernate mode	
Download data	
Erase data	
Refresh	
Reports root directory	
Other commands	
Delete Device	Suppr
Clean list	

 blt qr° spyp °lotz °ly xt tzy z° t«p sp xlryp zy sp °lnvp° xlryp l°pl zppn p sp nz x lyo4_sp vær rp° pyo l «°p pynp °lotz trylwp p° xty p

measures	Device's commands	Current mode/status
5 measures	1 command(s) waiting	Record / Presence

_spnzxxlyosl mppy °plpo

measures	Device's commands	Current mode/status
6 measures	• None	Live / Presence

; 47: 48 Ypnz °otyr

- _sp °lnvp° °pnz °o lyo z°p sp xpl °p ty t x px z° l sp «p°tzo ct po m sp p°
- L p° x ty p sp °lnvp° pyo l «°p pynp °lotz trylw z tyotnlp t l 2 sp s°p szwo stnsslpmppyp nppopolyo spy x mp° zqx pl °p ty x px z° 4
- _spy x mp°zqx pl °p ty x px z° l°p ot «who po ty sp nzw x y kkx pl °p zy sp wtyp zq sp op tnp
- bspy spx px z° t qww sp_YW; ozp y- °pnz°oly yp x pl °p lyo vpp« sp q° °pnz°opox pl °p

;47:49 Lyozq°pnz°otyr

• Iwhnvzy *Zz«°pnz°otyr* spyzy *Kz ywzlool*/

Configuration	F3
Stop recording	
Start booster mode	
Set to hibemate mode	
Download data	
Erase data	
Refresh	
Reports root directory	
Other commands	,
Delete Device	Suppr
Clean list	

;47; KII °pnz p°

Gnnp spollmlp

● Iwbnvzy Tpl °p

B RFMonit	or PRE	MIUM	- 7.10	.7.22 - w	ork
File View	Data	base	Tools	Settings	S
Description	-	Meas	sures		F
	A	Logs	: events	and alerts	F
	-	-		-	1 2

;47;47KIIdwpovznltzy

bspyoz ywzlotyr2sp °lnvp°rpyp°lp 8z°9фwp «pop«pyotyrzy spxzop stnssl mppy pwpnpo@

```
4n chwp 3DL npwcz°xl
4«oqchwp 3Dllx «ltry°p«z°.°pnz°otyr x zop zyw/
4mty chwp 3DKIlmlp
```

> Disque	local (C:) → Utilisateu	rs > Public > Doci	uments publics > NEWS	TEO > RFMonitor
	Nom	^	Modifié le	Туре
	📙 graphs		02/10/2018 11:00	Dossier de fichiers
*	maps	.ndf file	02/10/2018 11:00	Dossier de fichiers
A	reports	csv file	14/12/2018 16:08	Dossier de fichiers
A	📙 RFDatabase 🔫	hin file	26/12/2018 14:50	Dossier de fichiers
*	traces		26/12/2018 09:25	Dossier de fichiers

Ry *Ypnz °o x z op* @sp °lnvp° oz vzlo t ollty spozwop° YLZ_P_′_RVU lyorpyp°lp |WKMz°IZadwpp

Disque local (C:) > Utilisate	urs > Public >	Documents publics > NEW	STEO > RFMonito	or > reports > logger	
Nom	^	Modifié le	Туре	Taille	
live		20/12/2018 14:59	Dossier de fich	niers	
restitutions		13/12/2018 09:48	Dossier de fich	niers	

;47 < Zl tyr ol l ty sp °l nvp°

- Gly txp z nly oz ywzlo spwl 98666 °pnz°opo xpl °px py zqplns op tnp4
- Gwwxpl °pxpy l°p °prt p°poty spm qqp°xpxz° lyol°pzyw nwpl°po spy sp °lnvp° °p °tpzy sppxpl °pxpy 4
- H nwanvtyrzy *M wwx px z° oz y wz/o* z nly°p°tppspwl 98666 x pl°p

Display curves of me	as.res	in the second
Configuration	F3	
Start recording		
Start booster mode		
Set to hibemate mod	le i	
Download data		
Erase data		
Refresh		
Reports root director	y I	
Other commands		Get configuration
Delete Device	Suppr	Get battery level
Clean list		Set time
STREET.		Full memory download
License putd	her	There is a second second second

;47=Otmp°yl p sp °lnvp°

_sp °lnvp° x mp **stmp°yl po** .wpp«tyr x zop/l sp pyo zq sp nlx«ltry z° p xpl °pxpy z **lpt mlp°tp o °tyr z°lrp**4

- Ytrs 3hwtnvzy spwtypzqsp°lnvp° spy p z stmp°ylpxzop
- Ispnvzy spwzrrp°wtyp sl sp l sl mppy nslyrpo z Otmp°yl tyr
- _z°plntlpsp°lnvp°2tx«wtyp° spYM3_z′ZHvplyo t«pspxlrypzysp xlrypl°pl4

Configuration	F3
Start recording	
Start booster mode	
Set to hibernate mode	
Download data	
Erase data	
Refresh	
Reports root directory	
Other commands	,
Delete Device	Suppr
Clean list	

< 'ZPUN_OL_YGI RLY b P_O_OL T GNUL_ GUK_OL SLKZ

<47 Zl°lxpl °pxpynlx«ltry ts spxlryp

dz nly l° lxpl °pxpy nlx«ltry ts spxlryp4_zoz«wplpqzwaz sp «°znpo °p@

- Ispnv sp_YW; t stmp°yl p
- Z tnszop,YMxzytz°
- _lvp8xlryp @
- VypzlntlpspSLK 2
- _spz sp°zyp z ty p°ln t s sp_°lnvp°4
- K°tyr sp«°znp 2«whnp spq° xlryp yp z sp*SLK GYLG zlntlp spSLK* 4



bspyl °lnvp°t ty Otmp°yl tzy x zop2 spy sp xlryp t «whopo zy sp *SLK GYLG*2lww sp SLK sz womp tnspo zop4

<u>Z_LW7</u>@Wownp spxlryp zy sp*ZdZ GYLG* www.ytw.spSLK kkHl 4- °y YLK .qp pnzyo/lyo z spl°7 HRW4_spy °px z p spxlryp 4



<u>Z LW8</u>@Wwwnp spxlryp zy sp ZdZ GYLG wwmpw y twsp SLK **kkYlotz** - °y VYGUNL lyo z spl°8 HRW4_spy °px z p spxlryp 4



<u>Z_LW9</u>@Wwnpspxlrypzysp*ZdZGYLG* ytwspSLK **kkGwp°** – °y NYLLU lyozspl° 9 HPW4_spy°pxzpspxlryp4



<u>Z_LW:</u>@Rqsp«°znp toqwaz po2sp s°ppSLKZ twwqkvs tx wlypz w ty NYLLU o °tyr s°pp pnzyo 4_sp_°lnvp°t spy p z *Ypnz °o x z op* lyo sp x pl °px py nlx «ltrysl l°po4



<48 Zz«lxpl °pxpynlx«ltry ts spxlryp

dz nly z«lxpl °pxpy nlx«ltry ts spxlryp4_zoz«wplpozwaz sp «°znpo °p@ Stvpoz° sp l°tyrxpl °pxpy nlx«ltry2 z yppo zslp8xlryp@ Wavnpspot° xlrypyp z sp*SLK GYLG z | nt | p spSLK* 4

<u>Z_LW7</u>[@] Wolvnp spxlryp zy ZdZ GYLG4_sp9 SLK twortx wlypz w oply s ty VYGUNL o °tyr °zt pnzyo .xl 4/4K °tyr spp9 pnzyo sp z««tyr «°znpo °pnlymp «p°op°x po4



- <u>Ypxl°v</u>@ Rqsps°pp pnzyo «p°tzosl pwl« pompaç°p p«8 z°tqsp z««tyr «°znp sly-mppy dylwt po2lxpl °p twwmp z°poty sptyp°ylwxpxz°4
- Z_LW8@ Wolvnp spxlryp zy sp*ZdZ GYLG* y tw spSLK kkHl 4-wtrs NYLLU4_spy °pxzp spxlryp4

4 ○ Gvp° ○ Ylotz ● HI 4

Gmt« z yot «°zo npo spy st p«sl mppy nzx «wp po4

<u>Z_LW9</u>@ Wownp spxlryp zy sp*ZdZ GYLG* y twspSLK **kkYlotz** – wtrs ty VYGUNL4_spy °pxzp spxlryp4



<u>Z_LW:</u> [@] Wolvnp spxlryp zy sp *ZdZ GYLG* y tw sp SLK **kGvp°** – wtrs ty **YLK**4_spy °pxzp spxlryp4



_s°pp mt« z yo l°p «°zo npo spy st p«sl mppy nzx «wp po4

Pojst «°znp t ozwaz po2 sp s°pp SLKZ tww.on/v s tx wlypz w ty YLK o °tyr s°pp pnzyo 4_sp_°lnvp°t spy p z *Otmp°yl tyr x zop* lyo spxpl °pxpy nlx«ltrysl z««po4







<49 Ztrylwo°tyrlNWZln» tttzy

bspyl NWZln» tttzyt zyrztyr2 sp s°pp SLK lwp°yltpw wtrs «pp° pnzyoty NYLLU4

_spxltx x o°ltzyqz° st npyl°tzt?6 pnzyo .nlp spy spln» tttzysl qltwpo/4



= KG_GLcWSVP_G_PVUVU NVVNSLTGWZ

_st qyn tzy lwwz z z p «wzt sp x pl °p °pnz°opo m sp _°lnvp° tyr sp Nzzrwp Tl« opl °p.l ltwlmwp ts YMTzytz°NVSK vt zyw lyo tq sp W nzyypn po z ty p°yp/4

_zozzozwaz stwyv2 tyr z°oj z°tpm²z p°@

7/s «@25 4yp pz3 pmxzytz°4nzx5yp pzjwl ynsp°4«s«

.W/tz°z sl2z x slpnzx«wppolxpl°pxpynlx«ltry ts z°_YWlyo ozywzlopo z°oll tlz°′ZHYMTrzwovp/4

8/Izx «wpp spollml pnzyypn tzy tycz°x l tzy

rewater,		key12 Co	nfiguration
Database connection for TRP55		RF Monitor & DB Monitor	WEBMONITOR
User:	KEY	Hote (db.newsteo-websonitor.com	hom de la base Identifiant Mot de passe: QHPOQV
Password		Non d'utilisates KETOD	
TrackerTracker serial number	TRP000007		
	Click on this button make you respon	Same and the second	

9/Zpwpon sp txp«p°tzolyooz ywzlo spollm nwtnvtyr zykk(«olp-

← → C ① www.news	teo-webmonitor.com/newsteo_traci	ing.php				
III Applications D Support	🕽 Webmonitor 🧐 COL 📒 dbase	aract 🤶 JIRA 🔘	maliblack 🔁 Desk	🗛 Transi [COZIR_ AutoCalibrati	🧧 TMA 🏨 Capteurs d
From: 08/02/2017	To: 08/03/2017	Update				

:/Nzzrwpxl« °lnv«zty ts spozwaz tyrtyoz°xltzy

- _YW; «ztzytyr
- K°l tzyzqsp z«
- Zsznv lwp tqsp s°p szvosl mppy z p°°y
- Zsznv «zttzylyopln txptynlpl s°pszwosl mppy°plnspo

<u>Llx«wpzq°lnv«zty</u>



;/Kpxzollmlpqr°sp«p°tzo6756<5867=z6756>5867=

- ′ p° @**RLd667?8**H
- Wⁱ z°o@**XOW/Xa**
- _ ^/ nvp° @_**YW66669=**
- *Vp°zo@*o 6756<5867=1 6756>5867=

> KHTVUPVYRUZ_GSSG_RVU_VIVUZ'S_OLKG_G

- Vynp YM Tzytz°sl mppy ty lwpo2wl yns KHTzytz°m oz myp3nwtarvtyr
- zy spopvz« sz°n 🔯 z°q²zx sp Zl° xpy 4
- Ry spnzydpr °l tzy tl°okk*Npyp°l wz « tzy –*2
- Zpwpon spwlyr IrplyonwbnvzykkZ/ p-4

General options Database source	
Application settings	
Language	English v
Use computer local separators ;	
Float number separator :	
Field separator :	

- Ry spnzydpr °l tzy tl°okk*K / ml p z °np*--2
- pwpn Szn/wol/m/p
- Ly p° sp «l s z q sp vz nl vol l ml p

 $1 \text{ where } zy = \frac{1}{p-4}$

liocal databare		
C:\Users\Public\Documents\	NEWSTED\RFMonitor\RFDatabase\RFDatabin	à
Recent files:		¥
) Remote database :		
Database type :	MySQL 🗸	
Database connection setting		
Hadmasie	www.reacteo-webmonitor.com	
HTTP Encognition		
Pot	3006	
Usemane	C0L000000	
Painsend	*******	
Dalations comm	C0L000000	

■ Ry spnzydpr °ltzy tl°okk*Mty/wt/tzy*–nwtnvzy *alwto/p* spyzy *Mtyts* 4

? _YGI RLY ' ZL

?47 Npyp°l wt tp

Tltyqyntzy zqsp_YW_°lnvp°4

- _px «p°l °p2 sznvlyo9lt twx pl °px py
- _tx p3 lx «pox pl °p °pnz °opoty sp qw s x px z°
- azwlrpzqsp9ml p°tp aml 72aml 82aml 9
- Kt «whnpx py «ppo
- Gtx s
- NWZ «zttzytyr @wzyrt op 5wlt op

?48 Tpl °pxpy l °pr wl° typ° lw

Kp«pyotyrzy spoťp» pyn p m sp p°2 sp°lnvp° x pl °p 2 tx p3 l x « lyo z°p @

- _px «p°l °p
- _sp twzq sp op tnp zy pl ns zq sp 9 l t
- azwirpzqsp9ml p°tp aml 72aml 82aml 9
- Kt «wnpx py «ppo
- Gtx s
- NWZ «zttzytyr @wzyrt op 5wlt op

Wogp °In °p«z°

Packet	Date	Time	Ax	Ay	Az	AngleX	AngleY	AngleZ
000005	2019/03/13	09:41:00	0.000 G	0.000 G	-0.922 G	-180.000 °	-180 000 °	-67 202 °
000010	2019/03/13	09:41:10	-0.137 G	-0.156 G	-0.902 G	-172.142 °	-171.011 °	-64.468 °
000013	2019/03/13	09.41.20	-0.160 G	-0.164 G	-0.906 G	-170.784 °	-170.557 °	-64 992 °
000016	2019/03/13	09:41:30	-0.184 G	-0.227 G	-0.871 G	-169.421 °	-166.905 °	-60.586 °

Packet	Date	Time	Board Temp	Ground speed	Azimuth	vbat1	vbat2	vbat3
000004	2019/03/13	09:41:00	22.590 °C	0.000 km/h	0.000 °	1.600 V	1.500 V	1.500 V
000009	2019/03/13	09.41:10	22.590 °C	0.000 km/h	° 000.0	1.600 V	1.500 V	1.500 V
000012	2019/03/13	09:41:20	22 690 °C	0.000 km/h	0.000 °	1 600 V	1.500 V	1.500 V
000015	2019/03/13	09:41:30	22.690 °C	0.000 km/h	0.000 "	1.600 V	1.500 V	1.500 V

Bloc : GPS

Packet	Date	Time	Latitude	Longitude
000003	2019/03/13	09.41.00	0.000 *	0.000 *
800000	2019/03/13	09.41.10	0.000 °	0.000 *
000011	2019/03/13	09:41:20	0.000 *	0.000 °

?4? Tp °px py tynl pzq sznv

Fynlpzqsznv spy splnnpwp°ltzyoll3GnnUz°x3pnppo sps°pszwopm sp p°2 sp°lnvp°xpl°p2 txplx«lyoz°p spozwaz tyrlwp@

- TItx x Innpwp°ltzyzy sp9lt@TIG2TIG2TIG
- Ilwawitzyzqsppnz°lnnpwp°ltzyyz°x@GnnUz°x
- llwn witzyzqpyp°r zy sp9l t@Lyp°r c2Lyp°r d2Lyp°r e
- Ilwn włtzy ząsppyp°r pn z°yz°x @Lyp°r Uz°x
- Zsznvo [°]ltzy
- Gtx s
- NWZWzttzytyr@Szyrt op5Slt op

_spNWZ «zttzyt °pnz°opotqsp_YW); «tnv « splpwatrylw

 Rqspsznvo°ltzyt wpsly; xtyplqp°spwl «zttzyln» tttzy2sp yp NWZ «zttzylyosp «ppol°pyz°pnz°opo4Oz pp°tqspsznvlvp «whnp; xtyplqp°spwl «zttzyln» tttzy2sp «ppolyospyp NWZ «zttzyl°p°pnz°opo4

_spxpl °pxpy l°pxlopm l93 tlnnpwp°zxpp°Asp ytzqxpl °pxpy ttyr.yt qz°r°l tltzy/4

_splnnpwp°zxpp°lvpxpl °pllq°p» pyn zq9866O stnspy °p slyz sznvnly mpxt po4

Wogp °In °p«z°

Bloc : Shocks

Packet	Date	Time	Max Ax	Max Ay	Max Az	Duration	Acc Norm
000006	2018/12/28	11:09:23	0.840 G	0.801 G	1.578 G	25.000 ms	1.959 G
800000	2018/12/28	11:09:32	9.148 G	3.125 G	3.688 G	4262.00 ms	10.347 G
000010	2018/12/28	11:09:33	13.813 G	15.977 G	15.813 G	777.000 ms	26.383 G

?4 T pl °px py ty nl p z q °pp d w

Fynlpzqq°ppqwww spy splwppnppo sps°pszwopm sp p°2 sp°lnvp° xpl°p2 txp3 lx« lyo z°p spozwoz tyr lwp@

- M°pp dywsptrs
- TItx x Innpwp°ltzyzy sp9lt@TIG2TIG2TIG
- Ilwawitzyzqspyz°x zqsp pnz°lnnpwp°ltzy @GnnUz°x
- Ilwawitzyzgsppyp°r zy sp9lt@Lyp°r c2Lyp°r d2Lyp°r e
- Ilwawitzyzqsppyp°r pnz°yz°x @Lyp°r Uz°x

Wogp "In "p«z"

Bloc : FreeFall				
Packet	Date	Time	Height	Energy
000013	2018/12/28	11:09:42	36.556 cm	3.586 J/kg

?4, NWZWzttzy

_z l pml p°@

Rqlqp°?6 pnzyo yz lpwntyp t oppn po2 sp «zttzyln» tttzy «°znp twwmp z««po ytw spyp xpl °pxpy «p°tzo4

Rq tsty sp?6 pnzyo l wol zyp lpwotrpsl mppy oppn po2 spln» tttzy «°znp t °p l° po qz°l «p°tzo zq7 x ty p4Rq spln» tttzy «°znp t nnp qw2 sp_YWrpyp°lp 9 mt« z yo 4_spy sp_YWrpyp°lp 7 mt« «p° oppn po lpwotrp4_spln» tttzy «°znp z« lqp°; nzypn tp x ty p 4

_z l pml p°2tq sp_YWozpy-oppn ly x z pxpy strsp° sly8;6xN tynp spwl «z t zy2zyw spwl «z t zy twwmp°pnz°opo2yzyp «z t zy twwmp°pnz°opo4

Rqsp«ztzyln» ttzyqtw2yzyp «ztzy twwmp°pnz°opo4

?4< Lyp°r x pl °px py

_sppyp°r xpl °pxpytnlwawlpoq°zxlqyntzysl lvp tyzlnnzy splnnpwp°ltzy lwplyospo°ltzyzqspplnnpwp°ltzy4

?4⊨ Ll°sr°l t

_sp7rzqLl°sr°lttxpl°polyoot«wlpozyYMTzytz° spy sp_YWtty SPaL xzop4Ry spppy zql sznv2 spq°x l°poponp sp7rzqLl°sr°lt q²zx sp Innpwp°ltzyxpl°pxpy rpyp°lpom spsznv4

?4⊳ Kpp°xtyl tzyzqsznv s°pszwo

Rqsplnnpwp°ltzy s°pszwot p zzwz .qz°plx«wp74;r/spxpxz° zqsp°lnvp° tww mp» tnvw.qw44

_zlzto nsltltzy2«°p3p x mpnl°°tpoz tssp_YW2nzydpr°poty SPaL xzoplyodpozyt dylw ««z°2zopp°xtypsp°pwply s°pszwosl sz womp po o°tyr°prt°ltzynlx«ltry4

?4? Pyp°«°pltzyzqsznvlyopyp°r xpl °pxpy

Zsznv l°plnnpwpo°l tzy zqp° strslx «wtr op4Mz°plx «wp2lylnnpwpo°zxpp° sl diwwrd;zx lsptrs zq86 nx zyl; nx stnv spp zq ppw twwmp mupn zlylnnpwpo°l tzyzq>666 rl tx «ln 2lyozyl;6 «lrp stnvyzpmzzvzd;2t twwmp mupn zlylnnpwpo°l tzyzq?6 r4

_splwpzqsplnnpwp°ltzyxpl °pop«pyozypp°lw«s tnlw«l°lxpp°@

- Z°n °p°trtot
- Myotmtwizqsp_YW ««z°
- Ktlynpmp ppy sp sznvlyo sp_YW«zttzytyr

-

_sp_YWxpl °p sp lwp2spo °ltzylyo sppyp°r zqsp sznv2spp9xlryt op 2 l zntlpo tslp nlx«ltry tww/waz p° ztyp°«°pl«l° zqspppy stnsl°pl spz°trtyzqsp sznv 4

?476 Gnnpvpo°l tzyxpl °pxpy @Gnn Uz°x

Gnn Uz °x °p«°p py sp yz °x z q pn z °v.G 2G 2G /@



Acc Norm =
$$\sqrt{(Ax^2 + Ay^2 + Az^2)}$$

?477 _tw x pl °px py @iyr wp c 2 lyr wp d2 lyr wp e

Gyrwpc2lyrwpd2lyrwpeClyrwpzqlt 2 lyo zylsz°tzylw«whyp



Case n°1 : The TRP is placed on a horizontale plane





 $\theta Ax = 0^{\circ} \text{ or } 180^{\circ} \ \theta Ay = 90^{\circ} \ \theta Az = 0^{\circ}$ The axis of the **TIRP** is perpendicular to the horizontal plane

GUULC @_LI OUP GSKG_G

T GRU MLG_' YLZ	
V«p°ltyrpx«p°l°p °lyrp	ä-6 l z <6 l ts_stzy wøwtstx ml p°tp 2 tpG tsl «pmtqm nzyypn z° 376 l z1<6 l tslwvlwtypml p°tp 2 tpGG5SY< Ypnzxxpyopo px«p°l °p°lyrp zxltxtp spop tnpl zyzx @1; l z19; l4
HIp°tp I zyzx F8;I	8 pl°2 ts spml p° ««wopostzy wo/Ststxml p°2 tpG/ ′p°3°p«wl/nplmwpml p°
Mw/sxpxz°	7 <tmt .l="" 78?666="" 8="" <br="" lvp="" molvsp»="" mozn="" moznv="" pl="" py="" sznv="" tlwpy="" x="" z="" °px="">Mz°p lx «wp2tlwoz I8 pl° nlx «ltry@ - btsl «p°tzotn x pl °px py .px «p°l °plyo tw/pp° 7; x ty p .=66>6 °pnz°otyr / - Gyo 8?666 sznv</tmt>
Ylotznzxx ytnltzy	V«p°l tyrzy spPZT mlyo _st op tnpt op trypo z mp pozy spL°z«plyxl°vp . tyr sp≫>TO mlyo/4
Ylotzq°p» pynp°lyrp	766 x p p° ty dpp dpvo
PM Sp pv	PVý :