TE30 Remote adjustment



Application Note No06

The remote adjustment of the TE30 requires the following devices:

- Calmet TE30 the device undergoing adjustment
- Calmet C300B three-phase voltage and current source
- Radian RD33 three-phase reference standard

To perform the remote adjustment process, the user should:

• connect the devices

.



• open the RR-PCSuite software, connect with the Radian RD-3x, go to Metrics / Options, set the Update Interval to 1, press the Set button and close the RR–PCSuite software,

🔡 RR-PCSu	ite - RD-31-223	Metrics View		
View Run Configure Device	Setup f(x) Metrics r Automation	InstAccumOInInNeutral Current0.V0.A0.W0.VA0.VAR0.Hz74	ptions put 1 000 019 000 * 000 * 000 * 000 * 000 *	Metrics View Inst Accum Options Update Interval Image: Set Reset Accum Metrics Start Accum Start Accum Precision 3 Image: Start Accum V&I Threshold 0.00010000 Timed Accum Metric Archive Image: Instantaneous Image: Save Metrics
CAL	MET	Calmet Sp. z Kukulcza 18, E-mail: mail@c	0.0. 65-472 almet.o	Zielona Gora, Poland Phone +48 68 324 04 56 com.pl Fax +48 68 324 04 57

If the Radian RD-3x is equipped with an LCD touch screen, it is required to close all measurement windows and leave the screen on the main window

🗟 RR-PCSuit	e - RD-31-223	300608	
<u>V</u> iew <u>R</u> un <u>S</u> e	etup		
	$f_{\mathrm{(x)}}$	\sim	
Configure Device	Metrics	Harmonics	Trend Charts
NNN Flicker Meter	Automation		

- run the TxService.exe software and select the proper version of the TE30
- connect to the devices

• TxService - [#1]		1.00	 	
📴 File Tools Help				
Connections Start	🗟 Clear			
#1			 	
Aoj Cal Asm DI				

press the Connection button and connect to the TE30, C300B, and RD-33 in the Connection window.

Connection				
Environment				^
C300	COM15	Connect	ual	
Radian	COM1	Connect	ual	
Meters	COMO			
Meter #1	COM38	Connect		
				-
			Detect devices	Close

After properly connecting to the devices, close the Connection window using the Close button.

• select the Cal tab by using the Cal tab button, press the Clear button and wait 60s



• press the Load procedure button and press the Start button

TxService	- [#1]	-					
🖳 File	Tools	Help					
Connec	ctions	🗟 Start	Clear				
#1							
Adj Cal	Asm	DI					
Procedure:	Data\P	rocCAL\TE30)-300V.cal		\mathbf{O}	Load	\mathbf{D}



Phone +48 68 324 04 56 Fax +48 68 324 04 57 • select the 4.Calibration checkbox and press the Start button



• ignore the OUM – before start window and press the OK button



• set the name of result file and press the Zapisz (Save) button

Zapisywanie jako			×
🚱 🔍 🗣 🌗 🕨 Lab1 🔸 Pobrane 🕨 Nowy folder	▼ 4 ₂	Przeszukaj: Nowy folder	٩
Organizuj 🔻 Nowy folder			0
🔆 Ulubione 🔶 Nazwa	Data modyfikacji Typ	Rozmiar	
The second secon	ty nie pasują do kryteriów wyszukiw	ania.	
Pobrane			
I TE30 Lite Badania			
Exchange (calme			
SWIADECTWA V			
🕞 Biblioteki			
Nazwa pline: 1E30 600V SN362 CAL 2019-12-11.cal			•
Zapisz jako typ: Calibration (".cai)			_
🛞 Ukryj foldery	<	Zapisz Anulu	i at

• wait util the measurements are done (The message Procedure done! will appear in the lower right corner of the window)

🔏 Conne	ections	Start	🔏 Clear												
E30: 362	2 (1.1.8 (1.	2.5)) [Clan	npsn:—]										Shutd	lown 📃 Ir	nform
dj Cal	Asm	DI													
Procedure:	Data\Pro	cCAL\TE30	-600V.cal			•	Load								
SELECTE	U[V]	I[A]	Phi[deg]	F[Hz]	dU[%]	SU[%]	dl[%]	SI[%]	dPhi[deg]	SPhi[deg]	dF[Hz]	SF[Hz]	EP[%]	SP[%]	
	300.0000	0.09375	60.00000	50.30000	-0.00100	0.00089	0.00152	0.00109	0.00075	0.00056	0.00102	0.00025	-0.00243	0.00325	
	300.0000	0.09375	60.00000	0.00000	-0.00287	0.00029	-0.00154	0.00093	0.00029	0.00033	0.00102	0.00025	-0.00521	0.00155	
	300.0000	0.09375	60.00000	0.00000	-0.00224	0.00052	0.00076	0.00042	0.00051	0.00311	0.00102	0.00025	-0.00300	0.00871	
21	300.0000	0.09375	60.00000	50.30000	-0.00097	0.00129	0.00118	0.00139	0.00041	0.00057	0.00094	0.00008	-0.00132	0.00405	
	300.0000	0.09375	60.00000	0.00000	-0.00279	0.00051	-0.00191	0.00087	0.00025	0.00033	0.00094	0.00008	-0.00554	0.00218	
	300.0000	0.09375	60.00000	0.00000	-0.00190	0.00068	0.00000	0.00100	-0.00058	0.00021	0.00094	0.00008	-0.00008	0.00201	
21	300.0000	0.02344	60.00000	50.30000	-0.00089	0.00052	0.01428	0.00365	0.00025	0.00210	0.00088	0.00025	0.01302	0.00681	
	300.0000	0.02344	60.00000	0.00000	-0.00281	0.00033	-0.01219	0.00142	0.00066	0.00057	0.00088	0.00025	-0.01732	0.00208	
	300,0000	0.02344	60 00000	0.00000	-0.00205	0.00034	0.00935	0.00180	-0.00161	0.00077	0.00088	0.00025	0.01124	0.00220	

• send the saved file (with the measurement results) along with all the required information to service@calmet.eu



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