INSTRUCTIONS FOR USING THE TIGER PROGRAM SOFTWARE

Connect the serial output of the Tiger meter to be programmed to a serial port of the computer. Launch the software. The opening screen is displayed. The CONNECT / DISCONNECT button is red, indicating that the software has not connected to the meter.

Click on the CONNECT / DISCON-NECT button. The select Port window pops up.

Select the Serial Port to which the meter has been connected and click OK. The CONNECT / DISCONNECT button turns Green indicating connection to the meter.



Data is uploaded from the meter and the display window appears.

In this window, you can:

* Adjust the brightness of the display by moving the brightness slider.

- * See status of annunciator LEDs.
- * Click on the Check Box to view the present display, result, CH1, CH2, CH 3, CH4, Totalizer 1, Totalizer 2, Peak and Valley.

If you leave this window and then return * The status of the front panel buttons and the Auxiliary function inputs will also be displayed. Any button that is pressed, or auxiliary function input that is active will be bold.



Click the Display Settings tab. The Display Settings window will open up. In this window using the drop down boxes you can select:

- · Source for the primary display.
- Source for the Peak and Valley.
- When Annunciator LEDs are ON.
- Display mode for default display.
- Decimal point for default display.
- Display rounding for default display.
- Set the print text string.

• Make menu functions to be visible \checkmark or invisible \square by clicking in the check boxes beside the functions.

• Change text characters for underlined functions by double clicking the text, entering the new text and then press return.

Data Logging L Plenting	Digkai Inputs	Notes	Data Table		
Diplay Diplay Satings	Resit Chara	el 1 Dhannei 2 Dhan	eel 3 Channel 4 Selpoints	Totalsators	Linesizali
Primers Display Source Charriel 1	- Default Display Settin Annunciators Cri - R	elay DN 💌 Nomal Orapi	ay Mode 💌 🗵 🔀	• None	•
Peak & Valley Source Flemay Droplay	Settings Visible	Editable Vew Text Mode	Editable View Text Mode	Velue Editeble	Control Editable
	Lock Lin M	CH2 Channel 2	SP 2 Setpoint2	2	Ø
	Lock Down	CH3 Channel 3 🗹	SP_3 Setpoint3 2	2	63
	Code 1 🗹	_CH4 Chennel 4 🗹	_SP 4 Serpain 4		
	Code 2	TOT 1 Totaliser 1	<u>SP 5</u> Setpoint5		2
	Code 3	TOT 2 Totaliser 2 🗹	SP 6 Setpoint6	B	E
	Code 4 🗹 Code 5 🖸 Code 6 🗹	VALLEY Valey	Print String <u>Display ***2</u> Totel ***16 <u>1</u>		
	Code 7 🔛	UNDER UnderRange			
	Code 8 🖬				



CH1 SETUP WINDOW

In this window you can setup the following functions for CH 1:

- Type of Input signal to be measured
- Decimal Point select
- · Rounding of last digit
- Linearisation Table select (1 to 4)
- Manual Scale Factor adjust
- Manual Offset adjust
- Auto Zero Maintenance
- Averaging window and samples
- Set Tare

- IO × 10 ## <u>\11</u> ## @ Datal gang L Piviting Digital Is Display Settings Result Diplay CH1 P View Node Enabled Valage/Euterit • X.XXX • + Bree 💌 Lin Voltage / Cum O Deect Enabled 1.003 Frate of Change (Counts) 1.0000 Scale Factor O with Peak Delect 200.003 Offset QEE Capture Band (Counts) O with Pressure and Auto Cal 8.898 Aperture Wisdow (Counts) Sel Tere from 🖸 Hold Pin 🖸 Program Bu 8.850 Window (Counts) 8 Number of Semple d hom CDH po Pot - COM 1 Open et 36400 Baud



CH2 SETUP WINDOW

Similar to CH1, In this window you can setup the following functions for CH 2:

- Type of Input signal to be measured
- Decimal Point select
- · Rounding of last digit
- Linearisation Table select (1 to 4)
- Manual Scale Factor adjust
- Manual Offset adjust
- Auto Zero Maintenance
- Averaging window and samples
- Set Tare





CH3 SETUP WINDOW

Similar to CH1, in this window you can setup the following functions for CH 3:

- Type of Input signal to be measured
- Decimal Point select
- · Rounding of last digit
- Linearisation Table select (1 to 4)
- Manual Scale Factor adjust
- Manual Offset adjust
- Auto Zero Maintenance
- Averaging window and samples
- Set Tare

Voltage / Current V K.	Charvel 3 None N Ns proces Charvel 3 1.0000 Scale Factor 0.00 Offset	Auto Zeto Maintainance Enabled 0.03 Rate of Change (Counts/Second) 0.00 FF Capture Band (Counts)
	Averaging <u>0.16</u> Window (Counts) <u>8</u> Number of Samples	Set Tare from: Hold Pin Program Butti



CH4 SETUP WINDOW

Similar to CH1, in this window you can setup the following functions for CH 4:

- Type of Input signal to be measured
- Decimal Point select
- Rounding of last digit
- Linearisation Table select (1 to 4)
- Manual Scale Factor adjust
- Manual Offset adjust
- Auto Zero Maintenance
- · Averaging window and samples
- Set Tare





RESULT SETUP WINDOW

Similar to CH1, in this window you can setup the following functions for RESULT:

- Math function for RESULT
- Decimal Point select
- · Rounding of last digit
- Linearisation Table select (1 to 4)
- · Manual Scale Factor adjust
- · Manual Offset adjust
- Auto Zero Maintenance
- · Averaging window and samples
- Set Tare





Totalisator window allows you to set:

- Source for Totalisator
- Decimal point
- Rounding
- Cut off for input
- K factor, which can be calculated ordirectly entered

DataLogging L Priving	Digital Input	Channel 1	Scaling & Commun	ications	Custom	Togramming	Notes	Data 1
Chipton 1 Dripton Start	riena	Criterine 1	1 CHORNEL 1	Character 9	0110110	4 1 Jepans		L'United
Totalisator	1=1	0.00	1	Non let				
1011 0301613		0.00	1	1418.0				
1323 K.Fextor								
B.DE Cut Off								
Totalisator 2					-			
TOT 2 0FF	-	8.38	•	Nore 🔻	ш	View Mode		
58 KFactor								
B DE Cui Off								
L								

New York

K factor can be calculated by double clicking on the underlined K factor.

Enter the input and totalising requirements and the appropriate K factor will be calculated and entered in the previous window.

LINEARISATION WINDOW

In this window you can:

- Set the function to which the LIN table is to be applied.
- Enter values for LIN table
- Modify values for LIN table
- Concatenate all 4 LIN tables
- Load previously saved LIN tables
- Save existing LIN tables
- Set Date for LIN table
- Set Serial Number for LIN Table

DATA LOGGING & PRINTING

In this window you can set:

- Which parameters are to be logged
- Trigger for starting Data logging
- Type of Data logging buffer
- Date and time format on log
- Format of data log
- · Upload logged data from meter
- Reset logged data
- Print text string

		-										
D-as	a Logging a	Priming	Digial in	puts	scange com	nunication	16	Custoes Programme	ang	Notes	Data	100
Utiple	y Dist	ady settings	nesue	Unarice	i Channe 2	ation Te	sue 1	Unarrie 4 1	esports	1 0 0 0 0	901 Ures	~ ~
Asok	Table selec	cked from Dilatel In	out Nodu	ie Pins Io		0001110	r:Aspk 1/	25 point Table Ion				-
D Read				arred 1			D final	a 🛛	Channel 1 D Channel 2			
	W-h	h- 1	1 .				Web	- 1	1		-1- A	٩,
n •	Table 1		Bone 2			1 colle 3			D frend			
			Chevel 1 Diterest?			D Channel 1 D Channel 2						1
	sare ref 1	Coarte 2	1.2	1 100000	Contraction 2		and a second second second	D Grane 2	1 2	and could be		1
L L L		C C C C C C C			n an seas	00	Trannel 3	C CONTRACT	0		L Channel 4	1
Date	000000	E 9937	Det	1000WW	22282	Date	= 000WM	9937	Dat	2 (YYYWW	9. 9937	
Serie	No.	1	Sari	el No.	2	Sen	al No.	3	Seri	al No.	1	
	Incost	Outeut		lonut	Ostout		Input	Output		locat	Output	1
		6	1			1		0		6	0.0400	
2	10009	10080	. 2	:0000	10000	2	10000	10010	2	:0000	10000	1
2	26009	20080	3	20000	20000	3	20000	20010	3	20009	20000	
	30000	30090	- 4	20000	20000	- 4	20000	30010	-4	20.000	20000	
£.	40000	40080	. s	40000	40000	5	40000	40010	5	40000	10000	
e	50000	50010	· 6	50000	50000	6	50000	50010	6	50000	50000	1
- 7	60009	60010	7	50000	60000	7	60000	60010	7	60003	60000	
6	76008	20010	. 8	70000	20000	8	70000	70010	8	20000	20000	1
ê	80000	80086	. 9	80000	80000	÷	80000	30010	9	80000	80880	1
10	<u>96006</u>	90000	10	30000	90000	18	90000	90010	10	<u>30000</u>	90000	
11	100003	100080	.11	110000	100000	11	100000	100010	11	160003	100000	
12	110009	110000	. 12	1:0000	110000	12	110000	310010	12	1:0009	110000	1
12	1,200,000	120010	- 13	120000	120000	12	1630000	120010	13	140000	120000	1
11	1.400.00	1.40080	14	3 40000	1.10000	14	1.0000	140010	34	140000	130000	1
10	150000	150080	1.15	110000	150000	15	150000	150010	15	150000	150000	1
12	160000	160050	- 17	140000	160000	12	160000	160010	10	160000	160000	1
16	170009	170040	1.18	170000	120000	18	170000	170010	18	170000	120000	1
19	180009	180040	19	180000	180000	18	180000	180010	19	180000	180000	1
20	190000	190080	20	130000	190000	20	190000	190010	20	150000	190000	1
-9.8	200000	200080	. 54	210000	20,0000	21	200000	200020	. 51	980000	200000	1

Kend

Display Display Settings DataLegaing L Priving	Result Charsee	1 Channel Sceing I Co	2 Channel 3	Charnel 4 54	Rippinto Totalizators	Linearizati Data Table
	inte Verenite de	Constantin	53 10	Success and and a		
Finishes to be Logged						
Log No. 1 Chernel	 Avaliation 	,	l	Log Upload	LogBeset	
Log No. 2 Charmie 2	Memory:	32K				ł
Loc No 3	1-1					
Loc No 4	1-1					1
Tion						
O No Externel Tringer	PROGRAM	Rutton				
O HOLD Pin	O F1 Button					1
O LOOK Pin	O F2 Button					
Log Print	_	Log Print				
Setpoint1 LL	Setpoint 4 Setpoint 5					
Setpoint 3 🔲 🔲	Setpoint 6					
Not Shine Diseles and						
Tatel = "16						
¥						
			1			