

Calibrator Quick Reference Guide

Calibrator device is used for calibrating meters using teridian 71M65XX ICs.

Operational Specifications are as follows:

On turning ON the device, its display shows "AUtOCAL".

It asks to enter the password as shown of display "Ent PSd"

Enter the password "123456"

Now it enters Mode selection.

Press any of the following keys as shown below in the table:

Mode Reference Table		
Mode 1	Autocal Channel 'A'	Press Key '1'
Mode 2	Autocal Channel 'B'	Press Key '2'
Mode 3	Load Default Values	Press Key '3'
Mode 4	Calibration by selection for Channel 'A'	Press Key '4'
Mode 5	Calibration by selection for Channel 'B'	Press Key '5'
Mode 6	Five point calibration for Channel	Press Key '6'

Mode Functionalities:

Mode 1: Autocal Channel "A"

Display	User Entry
" Mod Sel"	Press Key '1'
" MSr U0Lt "	Enter measured voltage
" PrESS td "	Press 'td' Key
"CAL IA"	Enter % of error at upf
" PrESS td "	Press 'td' Key
"CAL PHA 1"	Enter % of error at upf
"CAL PHA 2"	Enter % of error at 0.5 lag
" Press td "	Press 'td' Key
"CAL QtA"	Enter % of error at upf as per 5% of Ib
" PrESS td "	Press 'td' Key

After entering all the values display will return back to Mode Select as display shows "Mod Sel".

Mode 2: Autocal Channel "B"

Display	User Entry
" Mod Sel"	Press Key '2'
"CAL Ib"	Enter % of error at upf
" PrESS td "	Press 'td' Key
"CAL PHb 1"	Enter % of error at upf
"CAL PHb 2"	Enter % of error at 0.5 lag
" Press td "	Press 'td' Key

After entering all the values display will return back to Mode Select as display shows "Mod Sel".

Mode 3: Load Default Values

Display	User Entry
" Mod SEL"	Press Key '3'
"PrESS rCL"	Press 'RCL' Key
" PrESS td "	Press 'td' Key

After entering all the values display will return back to Mode Select as display shows "Mod Sel".

Mode 4: Calibration by selection Ch. 'A'

Display	User Entry
" Mod SEL"	Press Key '4'
" CAL SEL"	Select Calibration point
1. For measured Voltage	Press Key '1'
" MSr UOLT "	Enter measured voltage
" PrESS td "	Press 'td' Key
" CAL SEL"	Select Calibration point
2. For CAL IA	Press Key '2'
" CAL IA "	Enter % of error at upf
" PrESS td "	Press 'td' Key
" CAL SEL "	Select Calibration point
3. For Phase Adj	Press Key '3'
" CAL PHA 1 "	Enter % of error at upf
" CAL PHA 2"	Enter % of error at 0.5 lag
" PrESS td "	Press 'td' Key
" CAL SEL"	Select Calibration point
4. For QuantA	Press Key '4'
" CAL QtA "	Enter % of error at upf as per 5% of Ib
"PrESS td"	Press 'td' Key
" CAL SEL"	Select Calibration point

After entering each points value the display will enter "CAL SEL" mode, To Exit this mode press '8', this will take us back to Mode select

Mode 5: Calibration by selection Ch. 'B'

Display	User Entry
" Mod SEL "	Press Key '5'
" CAL SEL "	Select Calibration point
1. For CAL IB	Press Key '1'
" CAL Ib "	Enter % of error at upf
" PrESS td "	Press 'td' Key
" CAL SEL "	Select Calibration point
2. For Phase Adj B	Press Key '2'
" CAL PHb 1 "	Enter % of error at upf
" CAL PHb 2 "	Enter % of error at 0.5 lag
" PrESS td "	Press 'td' Key
" CAL SEL "	Select Calibration point

After entering each points value the display will enter "CAL SEL" mode, To Exit this mode press '8', this will take us back to Mode select

Mode 6 :Five Point Calibration

Display	User Entry
" Mode select "	Press Key '6'
" MSr U0Lt "	Enter measured voltage
"PrESS td"	Press 'td' Key
"Err UPF"	Enter % of error at upf
"PrESS td"	Press 'td' Key
"Err rEV"	Enter Reverse Error value
"PrESS td"	Press 'td' Key
" Err LA6 "	Enter % of error at 0.5 lag
"PrESS td"	Press 'td' Key
" Err LEAd "	Enter % of error at 0.5 lead
"PrESS td"	Press 'td' Key

After entering all the values display will return back to Mode Select as display shows "Mod Sel".