

Meter Read

E360 S3300 – Three phase meter

29/05/2023

Version Control

Version Number	Changes in version	Responsible person	Date of change
1	Creation of document	Hassan Jawaid	29/05/2023

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1. Display Unit

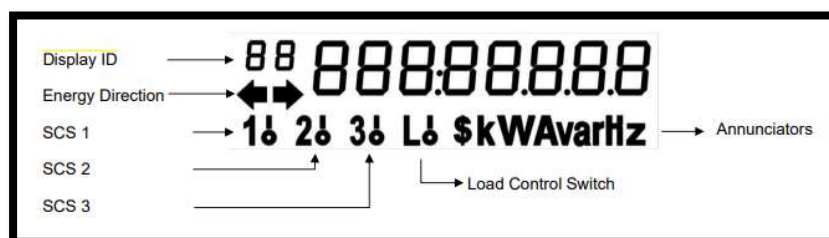
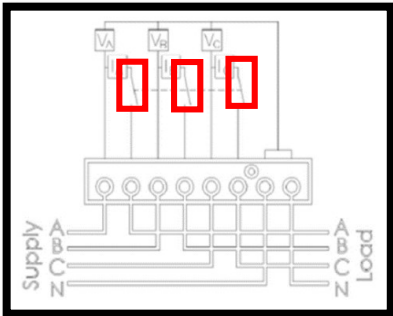


Figure 1: Display Unit

Display ID	A two-digit number identifies the display value				
Values	Display energy values consumed during the current billing period and other information like date, time, program ID, Revision numbers, etc				
Energy Direction	The direction of the power for kW, kVA and kvar are displayed on the panel with the direction arrows. <table border="1"> <tr> <td>➔</td><td>Active energy import (Energy Received from the Utility)</td></tr> <tr> <td>➔</td><td>Active energy export (Energy Received from the Customer)</td></tr> </table>	➔	Active energy import (Energy Received from the Utility)	➔	Active energy export (Energy Received from the Customer)
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SCS	The contactor symbol is used to indicate the status of the Supply Control Switch (SCS) <table border="1"> <thead> <tr> <th>SCS Open</th><th>SCS Closed</th></tr> </thead> <tbody> <tr> <td>1 2 3</td><td>1 2 3</td></tr> </tbody> </table> 	SCS Open	SCS Closed	1 2 3	1 2 3
SCS Open	SCS Closed				
1 2 3	1 2 3				
SCS Annunciators	Various annunciators provide information about the quantity displayed with a unique identification number and with information about the energy units like kWh, kVA, kvarh etc.				

2. LED Indicators

LED 1	1 Pulse = 1 watt hour
LED 2	1 Pulse = 1 var hour

3. Display Menu Options

3.1. Main Menu

Display parameters scrolls automatically within Main menu options:

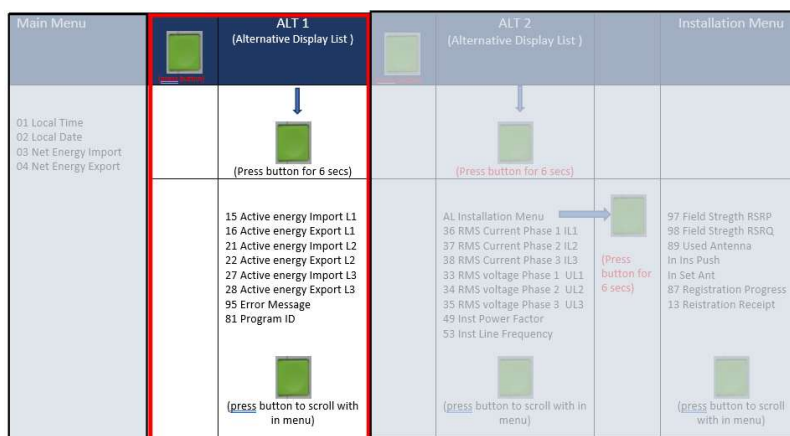


See Attachment_ Meter Read Sheet for detail description

3.2. Alternate Menus

Pressing the “Green” scroll button will let it scroll through the other menus that can be accessed:

3.2.1. ALT 1



See Attachment_ Meter Read Sheet for detail description

3.2.2. ALT 2

Main Menu	ALT 1 (Alternative Display List)	ALT 2 (Alternative Display List)	Installation Menu
01 Local Time 02 Local Date 03 Net Energy Import 04 Net Energy Export	  (Press button for 6 secs)	  (Press button for 6 secs)	
	15 Active energy Import L1 16 Active energy Export L1 21 Active energy Import L2 22 Active energy Export L2 27 Active energy Import L3 28 Active energy Export L3 95 Error Message 81 Program ID  (press button to scroll with in menu)	AL Installation Menu 36 RMS Current Phase 1 IL1 37 RMS Current Phase 2 IL2 38 RMS Current Phase 3 IL3 33 RMS voltage Phase 1 UL1 34 RMS voltage Phase 2 UL2 35 RMS voltage Phase 3 UL3 49 Inst Power Factor 53 Inst Line Frequency  (press button to scroll with in menu)	 (Press button for 6 secs) 97 Field Strength RSRP 98 Field Strength RSRQ 89 Used Antenna In Ins Push In Set Ant 87 Registration Progress 13 Reistration Receipt  (press button to scroll with in menu)

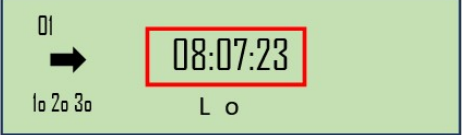
See Attachment_ Meter Read Sheet for detail description

3.2.3. Installation Menu

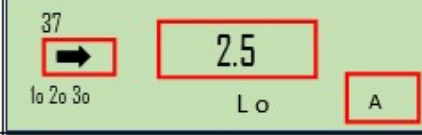
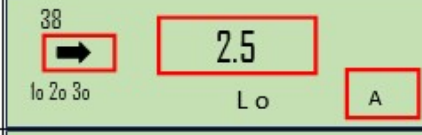
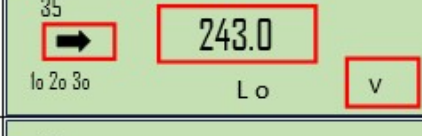
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Attachment _ Read Meter Sheet

MAIN MENU		
LCD Designator	Description	Example
01	Local Time: <i>Standard Current Time</i>	
02	Local Date: <i>Standard Current Date</i>	
03	Net Active energy import +A: <i>Total energy consumed by the customer</i>	
04	Net Active energy <u>export</u> -A: <i>Total energy generated by the customer</i>	

ALT 1		
LCD Designator	Description	Example
15	Active power import +A L1: <i>Power consumed by the customer- Phase 1</i>	
16	Active power export -A L1 <i>Power generated by the customer- Phase 1</i>	
21	Active power import +A L2: <i>Power consumed by the customer- Phase 2</i>	
22	Active power export -A L2 <i>Power generated by the customer- Phase 2</i>	
27	Active power import +A L3: <i>Power consumed by the customer- Phase 3</i>	
28	Active power export -A L3 <i>Power generated by the customer- Phase 3</i>	
95	Error message: <i>Shows any errors that the meter has detected.</i>	
81	Parameterisation ID 1: <i>This describes the configuration of the meter.</i>	

ALT 2		
LCD Designator	Description	Example
AL	Installation Menu	
36	RMS Current phase 1 IL1: <i>Current through - Phase 1</i>	
37	RMS Current phase 2 IL2: <i>Current through - Phase 2</i>	
38	RMS Current phase 2 IL3: <i>Current through - Phase 3</i>	
33	RMS Voltage phase 1 UL1: <i>Main Voltage at the meter phase 1</i>	
34	RMS Voltage phase 2 UL2: <i>Main Voltage at the meter phase 2</i>	
35	RMS Voltage phase 3 UL3: <i>Main Voltage at the meter phase 3</i>	
49	Instantaneous Power Factor	
53	Instantaneous Line Frequency	

Installation Menu		
LCD Designator	Description	Example
97	Field Strength RSRP: <i>Reference Signal Receive Power</i>	97 → -98 db 10 20 30 Lo
98	Field Strength RSRQ: <i>Reference Signal Received Quality</i>	98 → -17 db 10 20 30 Lo
19	Used Antenna: <i>Show meter installation status, External or Internal</i>	19 → 0 10 20 30 Lo
In	Push on Installation: <i>Menu for initiating manual command for meter registration</i>	In → InSPuSh 10 20 30 Lo
In	Set Antenna <u>Type</u> : <i>Menu for setting Antenna External or internal</i>	In → SEtAnt 10 20 30 Lo
87	Registration Progress: <i>Meter registration Progress code</i>	87 → 4 10 20 30 Lo
13	Registration Receipt: <i>Commissioning code</i>	13 → 533088 10 20 30 Lo