

# Meter Read Sheet


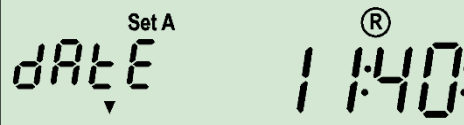



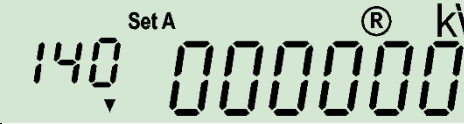

## EDMI Mk7A (5 MIN)

### Description:

- Single phase dual element electricity meter
- Automatic billing reset on the first day of the month.
- LED1: 1 pulse = 1 watt hour export on main element (to customer)
- LED2: 1 pulse = 1 watt hour export on load control element (to customer)


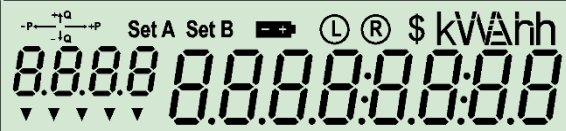
### Display Set A

The registers can be scrolled through using the Display Select button. It is found on the front plate to the right side of the meter. By simply pushing the button you will cause the screen display to scroll forward through the registers on display Set A.

LCD Designator	Description	Example
DATE	Standard Current Date Time: This screen alternates between date and time.	 
001	Exported kwh Total: Total energy consumed by the customer	
040	Imported kwh Total: Total energy generated by the customer	
101	Exported kwh Main:	
140	Imported kwh Main:	
201	Exported kwh Load:	

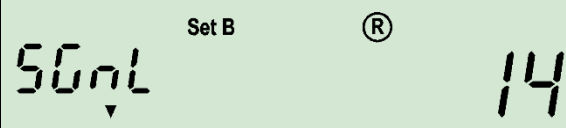
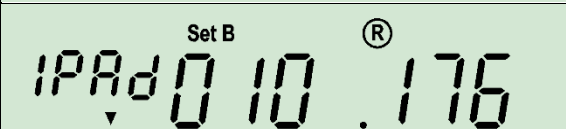
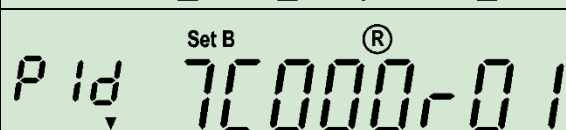
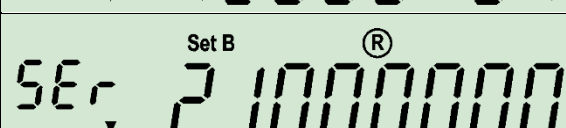
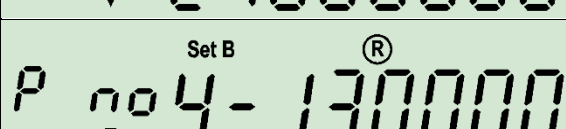
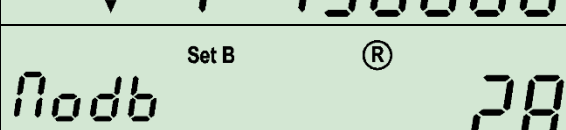
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240	Imported kwh Load:	
TEST	Display Test: This tests all the segments on the display.	

### Display Set B

Display Set B can be activated by holding the **Display Select** button continually for 2 seconds. Each register can then be read using the select button. (Not normally used for billing). Display set B contains meter specific details such as serial numbers, instantaneous voltage, current and power consumption as shown in the table below. (These are given as primary values and may be of use for plant management where energy management systems are not installed.)

LCD Designator	Description	Example
SGNL	Signal Strength: Received signal strength at the modem.	
IPAD	IP Address: The local IP address of the modem.	
PID	Program ID: This describes the configuration of the meter.	
SER	Serial Number: This is meters serial number.	
P NO	Plant Number: The plant number given to the meter.	
MODB	Modbus ID: Modbus identifier of the meter when connected to a Modbus network.	

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EFA1	Latched Errors: This screen shows any errors that the meter has detected.	EFA1 Set B (R)
EFA2	Latched Errors: This is a second screen for any errors that the meter has detected.	EFA2 Set B (R)
PO 1	Pulse Output 1: The energy per pulse on pulse output 1 LED.	Po 1 Set B (R) kWh 0.001
PO 2	Pulse Output 2: The energy per pulse on pulse output 2 LED.	Po 2 Set B (R) kWh 0.001
VOLT	Voltage: Mains voltage at the meter.	volt Set B (R) V 235.735
AMPS	Amperage: Instantaneous current through the main element.	AMPS Set B (R) A 0.127
A L1	Amperage: Instantaneous current through the load control element.	A L1 Set B (R) A 0.128
PWR	Instantaneous Power: The power being consumed or generated (negative).	Pwr Set B (R) kW 0.0186
P L1	Instantaneous Power: The power being consumed or generated (negative).	P L1 Set B (R) kW 0.0187
ANG	Phase Angle: The phase angle between volts and current on the main element.	Ang Set B (R) 15.6958
ANGL	Phase Angle: The phase angle between volts and current on the load control element.	ANGL Set B (R) 15.5869
FIRM	Firmware Version: The firmware version that the meter is running on.	FIRM Set B (R) 1.64