## AELT32 – 3 PHASE ENERGY METER 100 AMP DIRECT CONNECTED MID APPROVED



Туре	AEL.TF.32	
Name	3 Phase 4 Wire, 4 Tariff, Demand Measuring, Outdoor Active Electronic Electric Meter	
Class	В	
Reference Voltage (Un)	3x230/400V	
Reference Frequency (Fn)	50 Hz ±%5 20mA (0,04.Itr)	
Starting Current (Ist)		
Minimum Current (Imin)	0,25A	
Transition Current (Itr)	0,5A	
Reference Current (In)	5A	
Maximum Current (Imax)	100A From 0,8Un to 1,15Un	
Operating Voltage Range		
IP Class	IP54 (Outdoor)	
Protection Class	lass Two (2)	
Relative Humidity Ratio	%95	
Operating Temperature	-40°C, +70°C (3K7)	
Connection	Direct	
Mechanical Environment	M1 (2004/22/EC Directive)	

Electromagnetic Environment	E2 (2004/22/EC Directive)	
User Environment	For Non-Condensing Humidity Environment	
Power Consumption in Voltage Circuit	$\leq$ 2W, $\leq$ 10VA	
Power Consumption in Current Circuit	$\leq 4VA$	
ESD Voltage Resistance	Contact Discharge : 8 kV Air Discharge : 15 kV	
Pulse Voltage	6 kV	
Meter Constant	1000 imp/kWh,	
LCD Display	6+3 Digit	
Communication Speed	300-4800 Baud (IEC 62056-21)	
Interface Unit	Optik Port (IEC 62056-21)	
Battery Life of the System	$\geq$ 10 year	
Real Time Clock Battery Life	$\geq$ 10 year	
Shelf Life of the Electricity Meter	$\geq$ 4 year	
Time Clock Accuracy	0,5 s/day (at room temperature) (IEC-EN 61038)	
Data Storage Capacity	1 year	
Related Standards	EN 50470-1, EN 50470-3	

#### Percentage Error Limits at Reference Conditions

	Current Range	Power Factor	Percentage Error Limit (%)
Γ	0,5A < I < 1A	1	± 1,5
	1A < I < 80A	0,5 ind1cap 0,8	± 1

### LCD MONITOR INDICATORS

1

T1T2T3T4

T₿

kWh

L1L2L3



Definitions of the symbols and indicators on the LCD Monitor are as follows:

#### The Upper Lid is Open

This symbol indicates that the upper lid is opened. If the indicator is blinking while the lid is close, then it is indicating that the lid is opened earlier. If the indicator is being displayed on the monitor continuously, then the upper lid is on open position.

#### The Lid of Electric Terminal Box is Open :

This symbol indicates that the lid of the electric terminal box is opened. If the indicator is blinking while the lid is close, then it is indicating that the lid is opened earlier. If the indicator is being displayed on the monitor continuously, then the lid is on open position. Symbol will disappear after the electricity meter is read.

Clock Error: If the clock does not operate normal, this symbol will be displayed.

Battery of the System: If the voltage of the battery of the system is low, this symbol will be displayed.

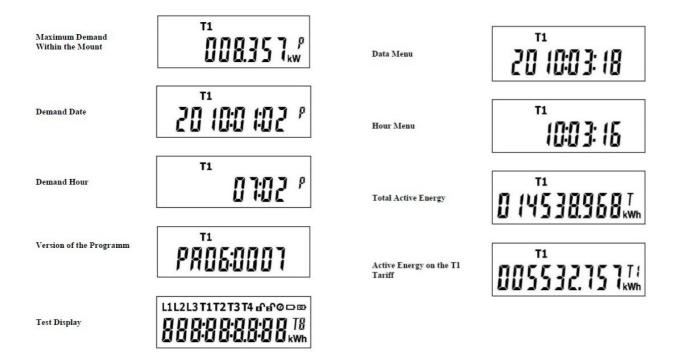
Battery of the Clock: If the voltage of the battery of the clock is low, this symbol will be displayed.

Tariff display: These symbols indicate the timely using active tariff period of the electricity meter.

These symbol indicate currently reading active tariff on the monitor.

These symbol indicate the active energy unit.

L1, L2 and L3 symbols indicate existence of, respectively, R, S and T phases. Using by the three-phase electricity meters.



# DIAGRAM FOR ASSEMBLAGE MEASUREMENT AND SEAL POINTS

