



Klemsan®

606212 ECRAS 200

3Ø Multimeter

General	Seven Segment Display	✓
	LCD Screen	-
	Language Support	-
	Battery	-
	Real Time Clock	-
	Password Protection	✓
	Current Transformer Ratio	1 - 5000
	Voltage Transformer Ratio	1 - 5000
	Demand Period	1-60 min. adjustable
	Connection Type	3F4T, 3F3T
	Measurements in Quadrants	4
	Number of Measurements in a Period	256
	LCD/Display Refresh Period	1 sec.
	Networks	TT, TN, IT
	Phasor Diagram	-
	Signal Waveforms	-
Min./Max./Demand Values	✓	
Energy Measurement	Number of Tariffs	1
	Multi Sub-Tariffs (Peak, Day and Off-Peak)	-
	1Ø Phase Energy Meters	✓
	3Ø Phase Energy Meters	✓
	4 Quadrant Reactive Energy Meters	-
Current Measurement Input	Measurement Range	10mA - 6A AC

	Overvoltage Category	300 V Cat II
	Measurement Surge Voltage	2 kV
	Power Consumption	<0.2 VA
	Intermittent Overload	100 A for 1 sec.
	Sampling Frequency between 45-65 Hz	12.8 kHz
Voltage Measurement Input	Overvoltage Category	300 V Cat III
	Measured Range L-N	1-300 Vrms
	Measured Range L-L	2-500 Vrms
	Measured Frequency Range	45-65 Hz
	Power Consumption	<0.1 VA
	Sampling Frequency between 45-65 Hz	12.8 kHz
Power Quality Measurements	Harmonics for Current and Voltage Phases	Up to 31st
	THD - Voltage in %	✓
	THD - Current in %	✓
Other Measurements	Run Hour (Operating Time for Load in Hours)	✓
	On Hour (Operating Time for Meter in Hours)	Var✓
	Int Counter (Number of Power Interruptions)	✓
According to IEC 61557-12	Total Active Power	Class 0.5
	Total Reactive Power	Class 1
	Total Apparent Power	Class 0.5
	Total Active Energy	Class 0.5
	Total Reactive Energy	Class 2
	Frequency	Class 0.1
	Current	Class 0.5
	Neutral Current	Class 0.5
	Voltage	Class 0.2
	Power Factor	Class 0.5
	THDV, THDI	Class 1
According to IEC 62053-22	Total Active Energy	Class 0.5S
According to IEC 62053-23	Total Reactive Energy	Class 2

Alarm Relay Outputs	Number of Outputs	-
	Type	
	Max. Switching Current	10 A
	Max. Switching Voltage	-
	Max. Switching Power	-
Digital Inputs	Number of Inputs	-
	Minimum Counting Frequency	-
	Input Present or Not	-
	Isolation Level	-
Digital Outputs	Number of Outputs	-
	Type	-
	Switching Voltage Range	-
	Minimum Switching Frequency	-
	Isolation Level	-
Analog Outputs	Number of Outputs	-
	Range of Outputs 0-5 V, 0-10 V, -5-5 V, -10-10V, 0-20 mA, 4-20 mA	-
	Isolation	-
Voltage	AC	85-300V
	DC	85-300V
Consumption	AC	<6VA
	DC	<3W
Supply	Frequency	45-65Hz
Min./Max./Avg. Values	Hourly Records	
	Daily Records	
	Monthly Records	
Data Logging with timestamp	Demand	
	Alarm Records	-
Communication	Protocol	Modbus RTU
	Baud Rate	1200-57600 bps adjustable
	Parity Number	Odd, Even, None

	Stop Bit	1
	Address	1-247
	Isolation	2750V RMS
Mechanical Properties	Weight (g)	296 g
	Protection Class	Front IP40 / Rear IP20
	Mounting Type	Panel Mount
Supply, Voltage, Current, Relay Outputs	Stranded:	2.5mm ² - 14AWG
	Solid:	4mm ² - 12AWG, 2x1.5mm ² - 2x16AWG
Digital I/O, RS 485, Analog Output	Stranded:	1.5mm ² - 16AWG
	Solid:	1.5mm ² - 16AWG, 2x0.75mm ² - 2x18AWG
Ambient Conditions	Operating Temperature	-20°C +70°C
	Storing Temperature	-30°C +80°C
	Relative Humidity (No Condensation)	Max. 95%
EMC-EMI	300 VAC CAT II according to IEC 61010-1	✓
	EN 55011/A1:2010, EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-4-8, EN61000-4-11	✓
Schematics	Network Connections	
	Digital I/O and Alarm Output Connections	
	3 wires with 3CTs	
	4 wires with 3CTs	
	3 wires with 2CTsNOTE: CTs can be connected any phase. They are connected to phase 1 and phase 3 in this figure.	
	Single Phase with 1CTNOTE: CT and VT can be connected any phase. They are connected to phase 1 in this figure.	
	Digital Output Connection	
	Digital Input Connection	
	Alarm Output Connection	
	Analog Output Connection	
General		
	Dimensions	

Türk Standartlarına Uygunluk Belgesi - TSE Certificate

Avrupa standartlarına uygunluk belgesi - CE Certificate

Ukrayna Uygunluk Sertifikası - Ukrayna Uygunluk Sertifikası

Order Info

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