W106 Series

Power Quality Analyzer

affra

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Application

Network management
    Real-time measurement of electrical parameters
    Track power quality condition
    Measure residual current
    Computation of Min/Max parameters for critical conditions
    Monitor control functions
    Log parameters profile
Cost management
    Energy metering of unit/sub system
    Monitor demand to avoid extra billing cost

W106 series

	W106e	W106s	W106L	W106r
Measurement				
Basic [1]	•	•	•	•
Auxiliary Neutral Current	•	•	-	•
6 Tariff Meter	•	•	•	•
Demand [2]	•[2]	•[3]	-	•[2]
Min/Max	•	•	•	•
Quality Measurement				
Displacement Power Factor	•	-	-	•
Voltage(Phase)/Current THD	•	•	•	•
Current TDD	•	-	-	•
Voltage(Phase)/Current(Phase, Neutral) Harmonic	31st	15th	-	31st
Voltage / Current Unbalance	•	•	•	•
KF	•	-	-	•
Distortion Power Factor	•	-	-	•
Voltage CF	•	-	-	•
Current CF	•	-	-	•
Recorder				
Data Logging	18000	18000	18000	18000
V/I Event Recorder	64	-	-	64
On/Off Event Recorder	512	512	512	512
Sag/Swell	512	-	-	512
Communication				
USB (OTG)	•	•	•	•
RS485-Modbus RTU	•	•	•	•
2th RS485 Modbus **	•	•	-	-
Modbus TCP/IP LAN**	•	•	•	•
PROFIBUS DP **	•	-	-	-
GSM/GPRS Modem**	•	•	•	•
Digital Output				
Relay	1	-	-	1
CT				
Type	5A/1A*	5A/1A*	5A	Rogowski
Accuracy				
Active Energy	0.2	0.2	1	1
Reactive Energy	0.5	0.5	2	2
Supply				
AC	80-460	80-265	80-265	80-460
DC	100-600	100-350	100-350	100-600

1: Phase Voltage, Line Voltage, Phase Current, Power Factor, Active Power, Reactive Power, Apparent Power, Frequency, Temperature
2: Active/Reactive Power (Phase/Total)
3: Active/Reactive Power (Total)
*: Request by order
**: Optional

Dimensions: (WHD) 103 * 103 * 70 mm, Panel Cut-Out: 92 * 92 mm,
Weight: 415 – 425 gr
Operating Temperature: -20 to +70 °C
Software: Windows
Standard: IEC 62053-22, IEC 62052-11