



Iskra MIS, d.d.

WE ANALYSE POWER QUALITY

IN COMPLIANCE WITH STANDARD EN 50160



*ANSI HOUSING
AND CONNECTION TERMINALS*



RECORDING QUANTITIES OF ELECTRICAL NETWORK, INSTANTANEOUS MEASURING VALUES OF MORE THAN 140 QUANTITIES, MEASURING OF ENERGY AND POWER, CALCULATING ELECTRICITY COSTS BY TARIFFS

FEATURES

Instrument description	UMC 710	UMC 720	UMC 740	UMC 750	UMC 760
Hardware configuration					
Backlight LCD 128x64	•	•	•	•	•
Keyboard keys	5	5	5	5	5
MMC card	•	•	•	•	•
Power supply	Univ, AC	Univ, AC	Univ, AC	Univ, AC	Univ, AC
Energy meters	-	4	4	4	4
Real time clock	-	-	•	•	•
Memory size	-	-	-	4 Mb	8 Mb
Auto Range Current	•	•	•	•	•
Auto Range Voltage	•	•	•	•	•
Communication (COM1)					
Communication ports	-	-	1	1	1
RS232 & RS485 / Ethernet	-, - / -	-, - / -	•, • / •	•, • / •	•, • / •
Modbus and DNP3	-	-	•	•	•
Inputs and Outputs (I/O)					
I/O Slot 1 (2 PO / 2 TI / 2 AL / 2 AN / 1 BA / 2 DI)	- / - / - / - / - / -	o / o / - / - / - / -	o / o / o / o / o / o	o / o / o / o / o / o	o / o / o / o / o / o
I/O Slot 2 (2 PO / 2 TI / 2 AL / 2 AN / 1 BA / 2 DI / 1 COM*)	- / - / - / - / - / -	o / o / - / - / - / -	o / o / o / o / o / o	o / o / o / o / o / o	o / o / o / o / o / o
Available functions					
Setup wizard	•	•	•	•	•
Wrong connection warning	•	•	•	•	•
Custom screens	•	•	•	•	•
Reset default settings	•	•	•	•	•
Programmable refresh time (LCD, Comm.)	•, -	•, -	•, •	•, •	•, •
MD calculation (TF, FW, SW)	-, -, -	•, -, -	•, •, •	•, •, •	•, •, •
Tariff clock	-	-	•	•	•
Cost management	-	-	•	•	•
Programmable alarms	-	-	32	32	32
Alarms recording	-	-	-	•	•
Measurements recording	-	-	-	•	•
EN 50160 analysis	-	-	-	-	•
PC software	MIQen (MMC only)	MIQen (MMC only)	MIQen	MIQen	MIQen
Available measurements					
Actual values: U, I, P, Q, S, PF, PA, f, fi, φ	•	•	•	•	•
Energy	-	•	•	•	•
Maximum demands	-	• (TF only)	•	•	•
Minimum values: U, I, P, Q, S, PF, PA, f, φ	-	-	•	•	•
Maximum values: U, I, P, Q, S, PF, PA, f, φ	-	-	•	•	•
THD (Actual)	-	-	•	•	•
Harmonics	-	-	up to 31 st	up to 31 st	up to 63 rd

* Additional COM2 (RS232 or RS485), optional for UMC 740, UMC 750, UMC 760. COM2 replaces I/O modules 3 and 4.

Legend:

- - feature not supported
- - MC standard feature
- o - optional feature
- PO - pulse output
- TI - tariff input
- AL - alarm output
- AN - analogue output
- BA - bistabil alarm
- DI - digital input
- TF - thermal function
- FW - fixed window
- SW - sliding window
- COM - additional communication port (COM2)



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