






MEMO & ULYS MODULAR METERS

... To implement your metering plan


MEMO RANGE

		Single-phase	Three-phase
Model		MEMO MD32	MEMO MD65
			
			
			
Rating		32 A	65 A
MID Certification		no	no
Accuracy class		IEC class 1	IEC class 1
Installation	Format	DIN Modules	1
	Auxiliary power supply		Self-powered
	Rated voltage		230 Vac
	Inputs	Direct/Sensors	32 A
Energy metering and management	Display and communication (if present)	Total kWh	Total and partial kWh
	Multi-measurement	Display and communication (if present)	-
		Recordings / FTP Push	-
Inputs / outputs	Pulse output(s)	1	
	Tarif change input	-	
Communication	RS485 Modbus	-	
	Ethernet Modbus	-	

To order

MEMO MD32 P01330740	MEMO MD65 P01330741	MEMO TD80 P01330745
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ULYS RANGE

		Single-phase	Three-phase
Model		ULYS MD45-M	ULYS MD100-M
			
			
			
Rating		45 A	100 A
MID Certification		yes	yes
Accuracy class		MID Class B	MID Class B
Installation	Format	DIN Modules	1
	Auxiliary power supply		Self-powered
	Rated voltage		230 Vac
	Inputs	Direct/Sensors	45 A
Energy metering and management	Display and communication (if present)	Two-way, kWh, total kVAh and partial kWh	Two-way, kWh, kVAh, total, partial and per-phase kVAh
	Multi-measurement	Display and communication (if present)	V, I, P, Q, S, F, FP
		Recordings / FTP Push	-
Inputs / outputs	Pulse output(s)	1	
	Tarif change input	-	
Communication	RS485 Modbus	-	
	Ethernet Modbus	-	

ULYS MD45-M P01330754	ULYS MD100-M P01330760	ULYS TDA80-M P01331018	ULYS TTA-M P01331019	ULYS FLEX Modbus Kit 30/3 P01331046
ULYS MD45-M Modbus P01330756	ULYS MD100-M Modbus P01330761	ULYS TD80-M Modbus P01331036	ULYS TT-M Modbus P01331037	ULYS FLEX Modbus Kit 70/3 P01331047
		ULYS TD80-M Ethernet P01331040	ULYS TT-M Ethernet P01331041	ULYS FLEX Modbus Kit 30/10 P01331048
				ULYS FLEX Modbus Kit 70/10 P01331049

More than an energy meter



ULYS TD80 / TT Ethernet

The simple, stand-alone solution for complete backup of the electrical activity on a feeder:

- Processing via integrated Web pages
- Synchronized recordings of the electrical quantities
- Data transmitted to ftp server

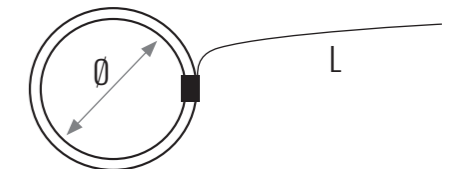
Quickly identify MID «-M» meters



To complete your ULYS TT meters

Current transformers offering

TC CLIP 100 A / 1 A	TCR 100 A / 1 ou 5 A
TC CLIP 250 A / 1 A	TCR 150 A / 1 ou 5 A
TC CLIP 400 A / 1 A	TCR 200 A / 1 ou 5 A
...	...



ULYS FLEX Modbus	W (cm)	Ø (cm)	L (m)	Reference
ULYS FLEX Modbus boucle 30/3	30	10	3	P01331046
ULYS FLEX Modbus boucle 70/3	70	22	3	P01331047
ULYS FLEX Modbus boucle 30/10	30	10	10	P01331048
ULYS FLEX Modbus boucle 70/10	70	22	10	P01331049

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MEMO RANGE

THE ESSENTIALS FOR METERING

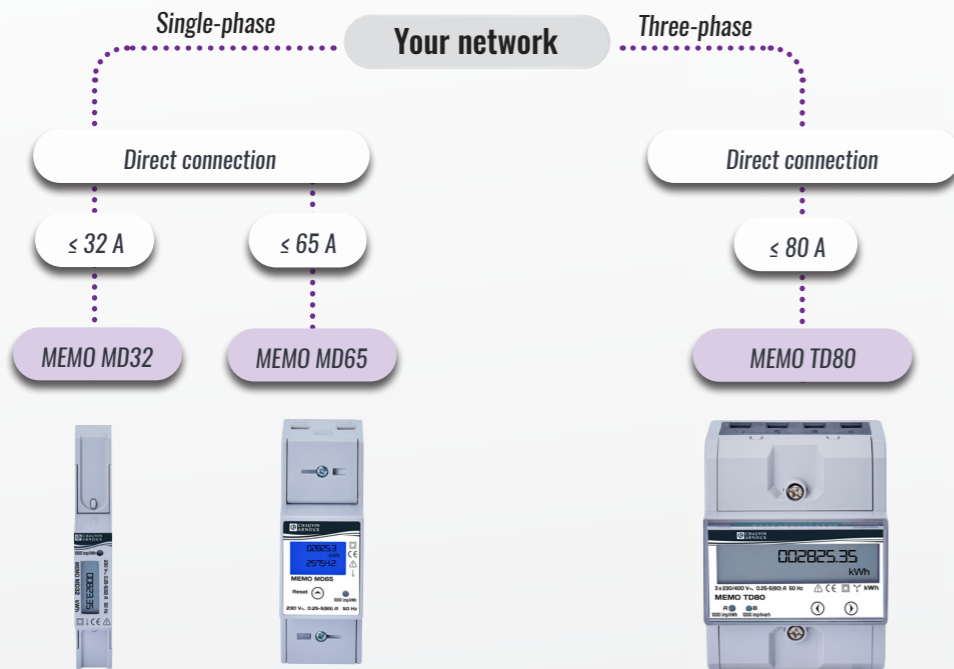
- Optimized inventory**
A limited number of references corresponding to the most widely-used electrical feeder types
- Clear, simple display**
Direct access to your consumption data
- No parameter settings**
Operational as soon as it is powered up

IEC 62053-21

Monitoring and allocation of consumption

MID EN50470-3

Rebilling of electrical energy on private networks

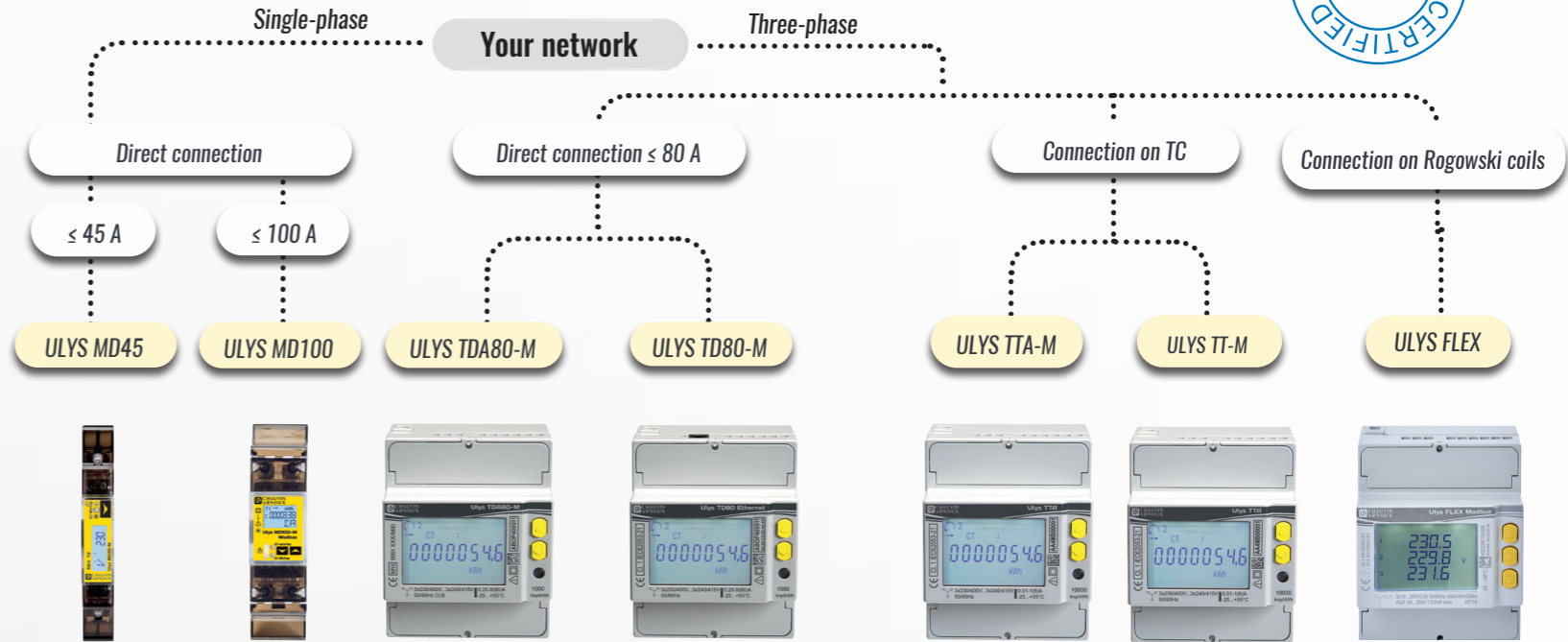


	IEC	IEC	IEC
NON-COMMUNICATING	MEMO MD32 P01330740	MEMO MD65 P01330741	MEMO TD80 P01330745
RS 485 MODBUS	-	-	-
Ethernet Modbus/TCP	-	-	-

ULYS RANGE

THE HIGH-PERFORMANCE, COMMUNICATING METERING

- Interoperability**
Built-in communication (Modbus, Ethernet) and pulse outputs in an extra-compact casing
- Accurate rebilling**
MID, double-tariff, partial metering
- Easy implementation**
Large choice of sensors for current measurement
- Customizable multi-measurement**
Parameterizable display. Local or remote access, via web pages or FTP Push



MID	MID	MID	MID	MID	MID	CEI
ULYS MD45-M P01330754	ULYS MD100-M P01330760	ULYS TDA80-M P01331018	-	ULYS TTA-M P01331019	-	-
ULYS MD45-M Modbus P01330756	ULYS MD100-M Modbus P01330761	-	ULYS TD80-M Modbus P01331036	-	ULYS TT-M Modbus P01331037	ULYS FLEX Modbus See table*
-	-	-	ULYS TD80-M Ethernet P01331040	-	ULYS TT-M Ethernet P01331041	-