

MEMO & ULYS MODULAR METERS

... To implement your metering plan

MEMO RANGE

			Single-phase	Three-phase	
Model Rating  MID Certification Accuracy class			MEMO MD32	MEMO MD65	MEMO TD80
					
			32 A	65 A	80 A
			no	no	no
			IEC Class 1	IEC Class 1	IEC Class 1
Installation	Format	Modules DIN	1	2	4
	Input voltage		230 Vac	230 Vac	230/400 Vac
	Inputs	Direct	32 A	65 A	80 A
		On CT	-	-	-
Energy metering and management	Display and communication (if exists)		kWh total	Total and partial kWh	Total and partial kWh
Multimesure	Display and communication (if exists)		-	-	-
Recording / Push FTP			-	-	-
Inputs / Outputs	Pulse output(s)		1	1	1
	Tariff-change input		-	-	-
Communication	RS485 Modbus		-	-	-
	Ethernet Modbus		-	-	-
	M-bus		-	-	-

ULYS RANGE

Single-phase		Three-phase			
ULYS MD45-M	ULYS MD100-M	ULYS TDA80-M	ULYS TTA ULYS TTA-M	ULYS TD80 ULYS TD80-M	ULYS TT ULYS TT-M
					
45 A	100 A	80 A	On CT 1/5 A	80 A	On CT 1/5 A
yes	yes	yes	ULYS TTA-M	ULYS TD80-M	ULYS TT-M
MID Class B			IEC Class 1 MID Class B	IEC Class 1 MID Class B	IEC Class 1 MID Class B
1	2	4	4	4	4
230 Vac	230 Vac	230/400 Vac	230/400 Vac	230/400 Vac	230/400 Vac
45 A	100 A	80 A	-	80 A	-
-	-	-	Isolated 1/5A	-	Isolated 1/5A
Total kWh, kVArh and partial kWh	Total kWh, kVArh and partial kWh	Total, partial and by phase kWh, kVArh, kVAh	Total, partial and by phase kWh, kVArh, kVAh	Total, partial and by phase kWh, kVArh, kVAh	Total, partial and by phase kWh, kVArh, kVAh
V, I, P, Q, S, F, PF	V, I, P, Q, S, F, PF	V, U, I, P, Q, S, F, PF, ΣP, ΣQ, ΣS	V, U, I, P, Q, S, F, PF, ΣP, ΣQ, ΣS	V, U, I, P, Q, S, F, PF, ΣP, ΣQ, ΣS	V, U, I, P, Q, S, F, PF, ΣP, ΣQ, ΣS
-	-	Recording via ULYSCOM Ethernet		Recording and Push FTP Ethernet / -M	
1	2	2	2	1	1
ULYS MD45-M	ULYS MD100-M	1	1	1 (except Ethernet model)	1 (except Ethernet model)
ULYS MD45-M Modbus	ULYS MD100-M Modbus	Via ULYSCOM Modbus		ULYS TD80 Modbus / -M	ULYS TT Modbus / -M
-	-	Via ULYSCOM Ethernet		ULYS TD80 Ethernet / -M	ULYS TT Ethernet / -M
-	-	Via ULYSCOM Mbus		ULYS TD80 Mbus / -M	ULYS TT Mbus / -M

Available current transformers

Pack 3 x TC CLIP 60 A/1 A - Ref. : P01379610

Pack 3 x TC CLIP 100 A/1 A - Ref. : P01379605

Pack 3 x TC CLIP 250 A/1 A - Ref. : P01379606

Pack 3 x TC CLIP 400 A/1 A - Ref. : P01379607

Pack 3 x TC CLIP 600A/1 A - Ref. : P01379608

Chauvin Arnoux Energy, closed CTs: please contact your distributor.

How to operate your fleet of measuring and metering instruments?



ENERIUM 150



ULYS TD80



ULYS MD45-M

Ethernet
RS 485
Pulses



ELOG



Integrated web pages: the turnkey solution for tracking your energy data

Collect, store and analyze

ULYS TD80 / TT Ethernet

The simple, stand-alone solution for recording all the electrical activity on a feeder:

- Processing via integrated web pages
- Synchronized recording of the electrical quantities
- Transmission of the data to an FTP server



MEMO & ULYS MODULAR METERS

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The ULYSCOM modules

Add communication to your ULYS TDA80 and TTA meters



IEC 62053-21

Monitoring and allocation of energy consumption

MID EN50470-3

Electrical energy rebilling on private networks

MEMO RANGE

THE METERING ESSENTIALS



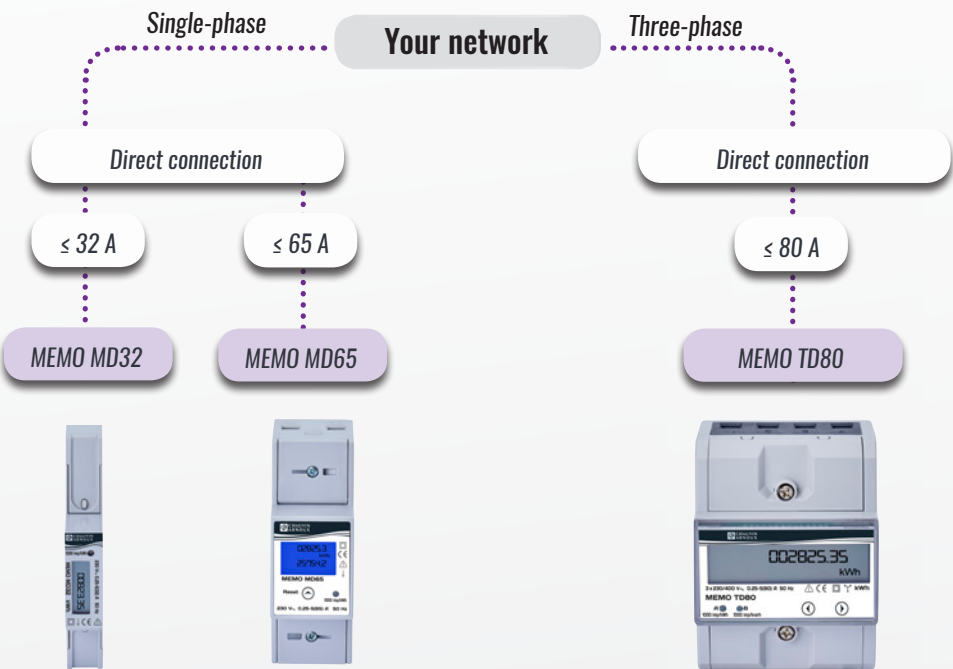
Optimized inventory
A limited number of references to cover the most widespread types of electrical feeders



Clear, simple display
Direct access to your consumption data



No parameter settings needed
Operational as soon as it is powered up



WITHOUT COMMUNICATION

RS 485 MODBUS

M-Bus

Ethernet Modbus/TCP

	IEC	IEC	IEC
WITHOUT COMMUNICATION	MEMO MD32 P01330740	MEMO MD65 P01330741	MEMO TD80 P01330745
RS 485 MODBUS	-	-	-
M-Bus	-	-	-
Ethernet Modbus/TCP	-	-	-

ULYS RANGE

THE HIGH-PERFORMANCE, COMMUNICATING METERING



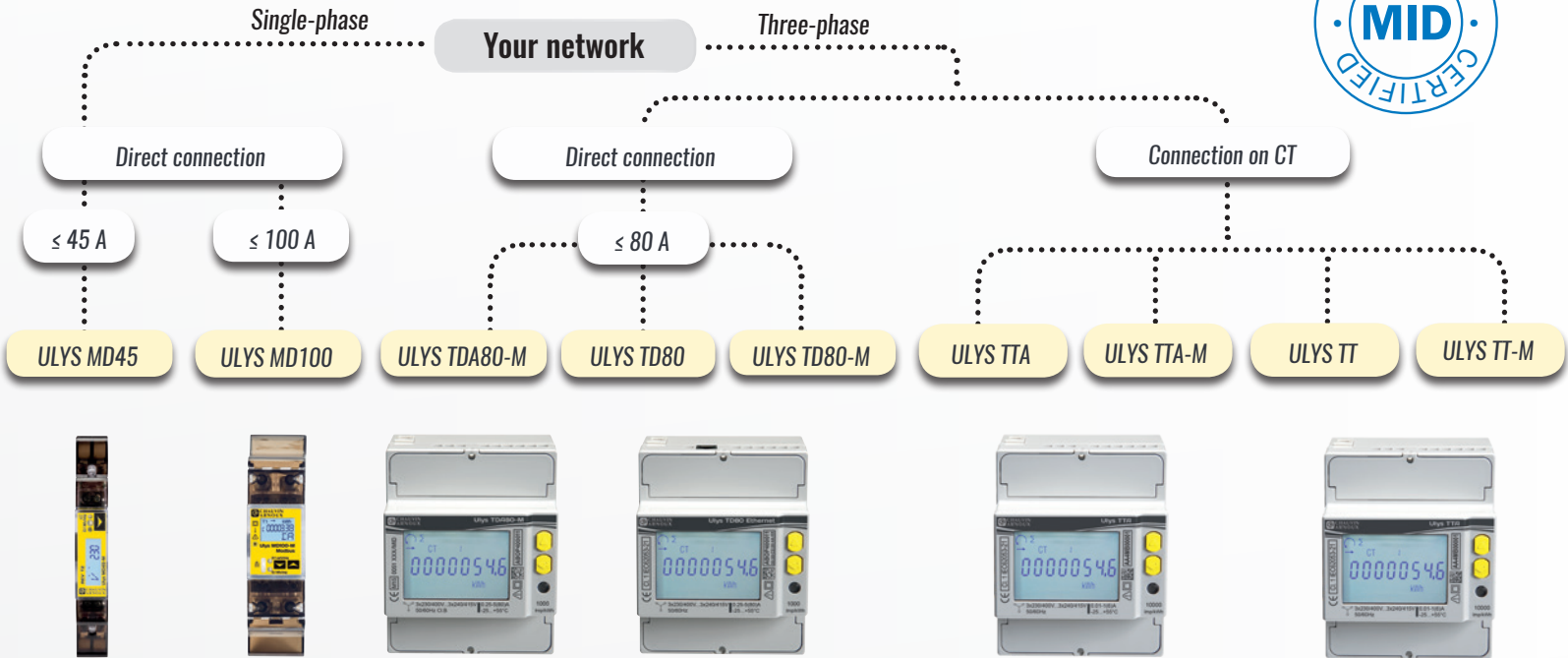
Interoperability
Built-in communication (Modbus, M-bus, Ethernet) and pulse outputs in a compact casing



High-accuracy rebilling
MID, double tariff, partial metering



Customizable multimeasurement
Configurable display. Local access and remote access via pages web or push FTP



MID	MID	MID	IEC	MID	IEC	MID	IEC	MID
ULYS MD45-M P01330754	ULYS MD100-M P01330760	ULYS TDA80-M P01331018	-	-	ULYS TTA P01331015	ULYS TTA-M P01331019	-	-
ULYS MD45-M Modbus P01330756	ULYS MD100-M Modbus P01330761	+ ULYSCOM Modbus P01331030	ULYS TD80 Modbus P01331034	ULYS TD80-M Modbus P01331036	+ ULYSCOM Modbus P01331030	+ ULYSCOM Modbus P01331030	ULYS TT Modbus P01331035	ULYS TT-M Modbus P01331037
-	-	+ ULYSCOM M-bus P01331031	ULYS TD80 M-Bus P01331042	ULYS TD80-M M-Bus P01331044	+ ULYSCOM M-Bus P01331031	+ ULYSCOM M-Bus P01331031	ULYS TT M-Bus P01331043	ULYS TT-M M-Bus P01331045
-	-	+ ULYSCOM Ethernet P01331032	ULYS TD80 Ethernet P01331038	ULYS TD80-M Ethernet P01331040	+ ULYSCOM Ethernet P01331032	+ ULYSCOM Ethernet P01331032	ULYS TT Ethernet P01331039	ULYS TT-M Ethernet P01331041