How to choose your energy meter?
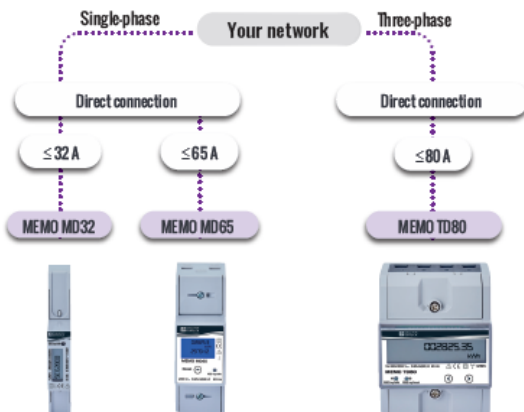
CHAUVIN ARNOUX ENERGY

MEMO & ULYS MODULAR METERS
... For implementing your metering plan

MEMO RANGE

METERING ESSENTIALS

- **Optimized inventory** — A limited number of references suitable for the most common electrical feeders
- **Clear, simple display** — Direct access to your consumption data
- **No prior parameter settings** — Operational as soon as it is powered up

ULYS RANGE

HIGH-PERFORMANCE CONNECTED METERING PLAN

- **Interoperability** — Integrated communication (Modbus, Ethernet) and pulse outputs in a compact casing
- **MID — Fair rebilling** — MID, double tariff, partial metering
- **Customizable multi-measurement** — Configurable display. Local or remote access, via web pages or push FTP
- **Easy implementation** — Wide range of sensors for current measurement

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MEMO RANGE flow:

- IEC 62053-21 — Monitoring and allocation of consumption
- MID EN50470-3 — Electrical energy rebilling on private network
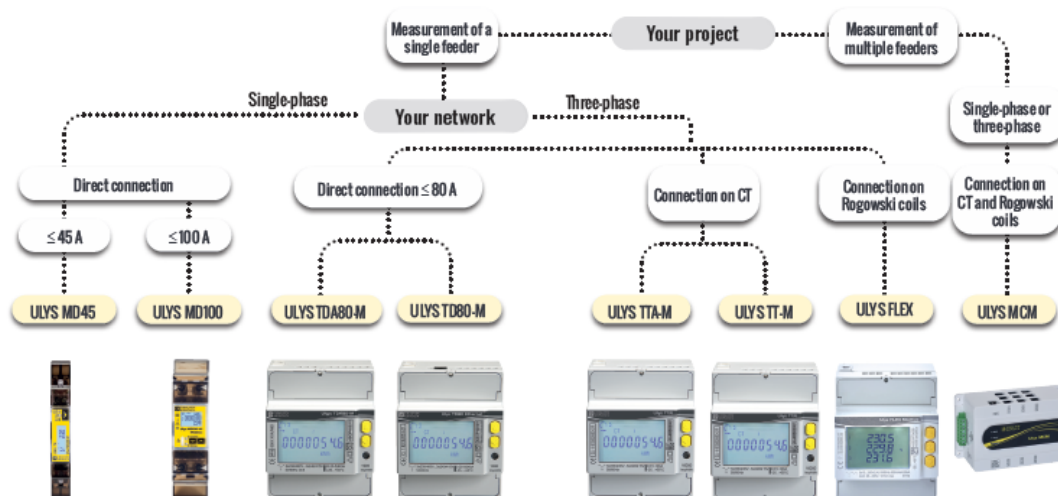- CERTIFIED MID CERTIFIED

Your network

Single-phase → Direct connection
- ≤ 32 A → MEMO MD32
- ≤ 65 A → MEMO MD65

Three-phase → Direct connection
- ≤ 80 A → MEMO TD80

ULYS RANGE flow:

Your project

Measurement of a single feeder:
- Your network
- Single-phase → Direct connection
  - ≤ 45 A → ULYS MD45
  - ≤ 100 A → ULYS MD100
  - Direct connection ≤ 80 A → ULYS TDA80-M / ULYS TD80-M
- Three-phase
  - Connection on CT → ULYS TTA-M / ULYS TT-M

Measurement of multiple feeders:
- Connection on Rogowski coils → ULYS FLEX
- Single-phase or three-phase → Connection on CT and Rogowski coils → ULYS MCM

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

	MID	MID	MID	MID		MID	MID	IEC	IEC
NON-COMMUNICATING	ULYS MD45-M P01330754	ULYS MD100-M P01330760	ULYS TDA80-M P01331018	-		ULYS TTA-M P01331019	-	-	-
RS 485 MODBUS	ULYS MD45-M Modbus P01330756	ULYS MD100-M Modbus P01330761	-	ULYS TD80-M Modbus P01331036		-	ULYS TT-M Modbus P01331037	ULYS FLEX Modbus P01331046 to P01331049	ULYS MCM 9 feeders P01331062 / ULYS MCM 18 feeders P01331064 See dedicated documentation
Ethernet Modbus/ TCP	-	-	-	ULYS TD80-M Ethernet P01331040		-	ULYS TT-M Ethernet P01331041	-	