

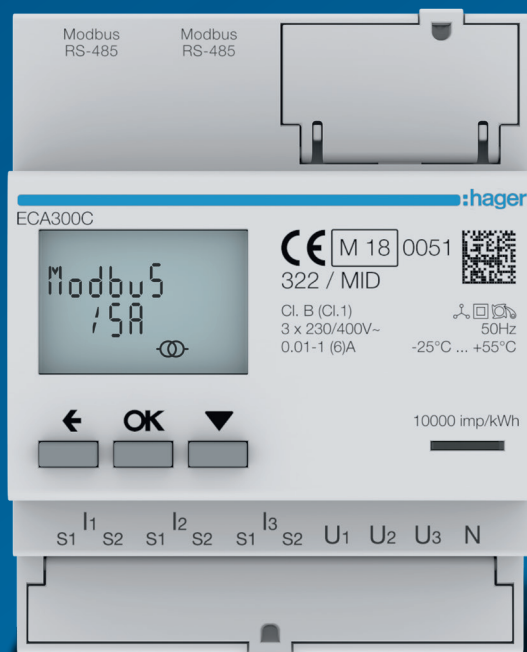
Nieuwe generatie  
energiemeters

# Tijdwinst en ruimtebesparing





























Een complete nieuwe serie energiemeters met alle eigenschappen voor modern energimanagement.

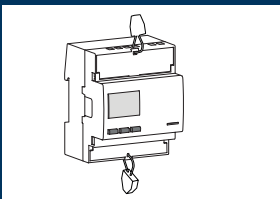
- ✓ MID-gecertificeerd, bi-directioneel
- ✓ Compacter en gebruiksvriendelijke interface
- ✓ Communicatie: puls, M-bus, modbus, KNX IR-interface
- ✓ Communicatie met RJ45-aansluiting – snel en eenvoudig aansluiten
- ✓ Tot 3 x 125 A zonder stroomtrafo
- ✓ Tot 6000 A met stroomtrafo
- ✓ Meting van spanning (U), stroom (I), vermogens (4-kwadranten), power factor
- ✓ Multi-tarief

[hager.nl/energiemeters](http://hager.nl/energiemeters)



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				 schroeftechniek	 RJ45-steektechniek
<b>1-fase</b>					
40 A 1 mod.	ECN140D 	ECP140D 	ECM140D 	ECR140D 	
80 A 2 mod.		ECP180D 	ECM180D 	ECR180D 	ECA180D 
3x 80 A 4 mod. (niet MID)		ECP180T 	ECM180T 	ECR180T 	ECA180T 
<b>3-fase</b>					
80 A 4 mod.		ECP380D 	ECM380D 	ECR380D 	ECA380D 
125 A 6 mod.		ECP310D 	ECM310D 	ECR310D 	ECA310D 
indirect tot 6000 A 4 mod.		ECP300C 	ECM300C 	ECR300C 	ECA300C 



**Verzegelbare afdekking**  
Standaard op alle meters



**TXF121 KNX IR interface**  
Om een KNX-installatie eenvoudig te voorzien van energiemonitoring

**Meer info op  
[hager.nl/energimeters](http://hager.nl/energimeters)**

Best.nr.	Omschrijving	Communicatie			Stroom max.	Energie				Ver-mogen			U	I	F	PF	Tariefsturing	MID	IR-cel t.b.v. commu-nicatie-module TXF121	Partieel-teller
		S0 puls	M-Bus	mod-bus RTU		+kWh	-kWh	+kvarh	-kvarh	P	Q	S								
ECN140D	Energimeter 1-fase, direct 40A, 1mod				1-fase 40 A	✓													✓	
ECP140D	Energimeter 1-fase, direct 40A, 1mod, S0, MID	✓			1-fase 40 A	✓	✓			✓			✓	✓	✓	✓		✓	✓	
ECM140D	Energimeter 1-fase, direct 40A, 1mod, MBUS, MID		✓		1-fase 40 A	✓	✓			✓			✓	✓	✓	✓		✓		
ECR140D	Energimeter 1-fase, direct 40A, 1mod, MODBUS, MID			✓	1-fase 40 A	✓	✓			✓			✓	✓	✓	✓		✓		
ECP180D	Energimeter 1-fase, direct 80A, 2mod, S0, MID	✓			1-fase 80 A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	T1, T2 over 230 V	✓	✓	✓
ECM180D	Energimeter 1-fase, direct 80A, 2mod, MBUS, MID		✓		1-fase 80 A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	T1, T2 over 230 V T1, T2 M-Bus	✓	✓	✓
ECR180D	Energimeter 1-fase, direct 80A, 2mod, MODBUS, MID			✓	1-fase 80 A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	T1, T2 over 230 V T1..T8 modbus	✓	✓	✓
ECA180D	Energimeter 1-fase, direct 80A, 2mod, RJ45, MID			✓	1-fase 80 A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	T1, T2 over 230 V T1..T8 modbus	✓	✓	✓
ECP180T	Energimeter 3x1-fase, direct 80A, 4mod, S0	✓			3x1-fase 80 A	✓	✓			✓	✓	✓	✓	✓	✓	✓	T1, T2 over 230 V		✓	✓
ECM180T	Energimeter 3x1-fase, direct 80A, 4mod, MBUS		✓		3x1-fase 80 A	✓	✓			✓	✓	✓	✓	✓	✓	✓	T1, T2 over 230 V T1, T2 M-Bus		✓	✓
ECR180T	Energimeter 3x1-fase, direct 80A, 4mod, MODBUS			✓	3x1-fase 80 A	✓	✓			✓	✓	✓	✓	✓	✓	✓	T1, T2 over 230 V T1..T4 modbus		✓	✓
ECA180T	Energimeter 3x1-fase, direct 80A, 4mod, RJ45			✓	3x1-fase 80 A	✓	✓			✓	✓	✓	✓	✓	✓	✓	T1, T2 over 230 V T1..T4 modbus		✓	✓
ECP380D	Energimeter 3-fasen, direct 80A, 4mod, S0, MID	✓			3-fasen 80 A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	T1, T2 over 230 V	✓	✓	✓
ECM380D	Energimeter 3-fasen, direct 80A, 4mod, MBUS, MID		✓		3-fasen 80 A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	T1, T2 over 230 V T1, T2 M-Bus	✓	✓	✓
ECR380D	Energimeter 3-fasen, direct 80A, 4mod, MODBUS, MID			✓	3-fasen 80 A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	T1, T2 over 230 V T1..T8 modbus	✓	✓	✓
ECA380D	Energimeter 3-fasen, direct 80A, 4mod, RJ45, MID			✓	3-fasen 80 A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	T1, T2 over 230 V T1..T8 modbus	✓	✓	✓
ECP310D	Energimeter 3-fasen, direct 125A, 6mod, S0, MID	✓			3-fasen 125 A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	T1, T2 over 230 V	✓	✓	✓
ECM310D	Energimeter 3-fasen, direct 125A, 6mod, MBUS, MID		✓		3-fasen 125 A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	T1, T2 over 230 V T1, T2 M-Bus	✓	✓	✓
ECR310D	Energimeter 3-fasen, direct 125A, 6mod, MODBUS, MID			✓	3-fasen 125 A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	T1, T2 over 230 V T3..T8 modbus	✓	✓	✓
ECA310D	Energimeter 3-fasen, direct 125A, 6mod, RJ45, MID			✓	3-fasen 125 A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	T1, T2 over 230 V T1..T8 modbus	✓	✓	✓
ECP300C	Energimeter 3-fasen voor stroomtrafo 1A of 5A, 4mod, S0, MID	✓			3-fasen CT 1 + 5 A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	T1, T2 over 230 V	✓	✓	✓
ECM300C	Energimeter 3-fasen voor stroomtrafo 1A of 5A, 4mod, MBUS, MID		✓		3-fasen CT 1 + 5 A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	T1, T2 over 230 V T1, T2 M-Bus	✓	✓	✓
ECR300C	Energimeter 3-fasen voor stroomtrafo 1A of 5A, 4mod, MODBUS, MID			✓	3-fasen CT 1 + 5 A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	T1, T2 over 230 V T1..T8 modbus	✓	✓	✓
ECA300C	Energimeter 3-fasen voor stroomtrafo 1A of 5A, 4mod, RJ45, MID			✓	3-fasen CT 1 + 5 A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	T1, T2 over 230 V T1..T8 modbus	✓	✓	✓