## A1800 ALPHA® meter style numbers

Elster has designed the A1800 ALPHA meter based on extensive metering technology and global metering standards knowledge.



- IEC 62053 accuracy Class 0.2 %, 0.5 %, and 1.0 %
- UV-protected, polycarbonate, IP54 enclosure
- Wide operating ranges:
  - Voltage: 46 V to 528 V
  - Current: 1 mA to 10 A (CT-connected)
  - Temperature: -40 °C to +85 °C (inside meter)
- Energy plus demand for kWh, kVARh, and kVAh
- Four-quadrant metering for exportimport
- Up to 4 tariffs per day for 4 day types
- Up to 12 seasons
- Nonvolatile memory
- Easily replaceable battery located under the terminal cover
- Precision internal clock with backup timekeeping provided by super capacitor and long-life battery
- 16-segment character LCD with optional backlight
- Windows-based software with multilanguage support

## Advanced features and functions

- Programmable thresholds for TRueQ monitors
- Optional 1 MB extended memory
- Transformer and line loss compensation
- Up to 8 channels of load profile data
- Up to 32 channels of instrumentation profile data
- External power supply support

Visit the A1800 ALPHA meter product page at www.elstersolutions.com for the latest information.





## A1800 ALPHA meter style numbers

Field numbers 1 2	3 4	5	6	7 8	9	10 11
A1800 ALPHA meter	3 K	F	4	R 0	0	L P
Service						
3-phase, 3-wire, delta or network	2					
3-phase, 4-wire, wye	3					
<b>Test amps &amp; wiring</b> 1 A or 5 A (10 A max), transformer rate	ad					
Symmetrical writing	J	_				
Sequential wiring	K	-				
5 A (20 A max), transformer rated^	IX	_				
Sequential wiring	Т	_				
5 A (120 A max), direct connect-rated						
Sequential wiring	N					
Main board & voltage link options						
All meters are 57.7 V to 480 V*						
No main board options (128 KB memory		F				
Auxiliary power supply only (128 KB me	emory)	G				
Backlight only (128 KB memory)	00.1/D	J				
Auxiliary power supply with backlight (1						
No main board options (256 KB memory		L M				
Auxiliary power supply only (256 KB me Backlight only (256 KB memory)†	eniory)	N N				
Auxiliary power supply with backlight (2	56 KB memory					
Internal voltage links (256 KB memory)		Q				
External voltage links (256 KB memory)		R				
Internal voltage links with backlight (25						
External voltage links with backlight (25		T				
memory)‡						
Relays and extended memory						
No relays and no extended memory			0			
2 relays with no extended memory	(,	A1805 only)	2			
4 relays with no extended memory			4			
Extended memory with no relays			A			
4 relays with extended memory			E	D1 110		
Communication options		47.07.0	ANSI	DLMS		
Optical port only	2.\	A1810	00	CO		
1 port: Internal telephone modem (ITM)	3)	A1810	D0	CA		
2 ports: RS-232/485\$ and ITM3 2 ports: RS-232/485\$ and RS-232		A1830 A1860	RD RE	CD CE	-	
2 ports: RS-232/485\$ and RS-485		A1860	RF	CF		
1 port: RS-232/485§		A1830	R0	CR		
2 ports (ACB): RS-232/485¶ and DLT64	5 over RS-485¶		R1	C1		
2 ports: RS-232/485¶ and RS-485¶		A1860		C2		
1 port: RS-232/485¶		A1830	R2			
2 ports (ACB): RS-232/485§ and Modbu	us over RS-485	§ A1882	R3			
2 ports (ACB): RS-232/485§ and DNP		A1884	R4	C4		
2 ports (ACB): RS-232/485§ and Modb		A1882	R5			
2 ports (ACB): RS-232/485\( \) and DNP	over RS-232	A1884	R6			
1 port (NIC): EA_NIC		nA1810	PE			
1 port (NIC): EA_NIC with last gasp	10	nA1810	PF			
2 ports (NIC): RS-232/485\$ and EA_N		nA1830	PB			
2 ports (NIC): RS-232/485\( \) and EA_N	ic with last gas	p nA1830	PD			
Miscellaneous options	Pood w	ithout power	Not enab	led =	nabled	
Long terminal cover, IEC optical port, T		iaioat power	Not enab	icu E	А	
Long terminal cover, TEC optical port, T			1		В	
Long transparent terminal cover, IEC op		batterv	2		C	
Long transparent terminal cover, ANSI			3		D	
Short terminal cover, IEC optical port, 7	ΓΟU battery		4		E	
01 44 1 1 1 1 1 1 1			5		F	
Short terminal cover, ANSI optical port,	, TOU battery		5			
Short terminal cover, ANSI optical port, <b>Metering options</b>	, TOU battery		5			
<b>Metering options</b> Watt, var, TRueQ		1805 when coi		h A1810	options)	L1
Metering options Watt, var, TRueQ Watt, var, loss compensation, TRueQ		1805 when co		h A1810	options)	L3
Metering options Watt, var, TRueQ Watt, var, loss compensation, TRueQ Watt, var, load profiling, TRueQ	(A:	1805 when co		h A1810	options)	L3 L5
Metering options Watt, var, TRueQ Watt, var, loss compensation, TRueQ Watt, var, load profiling, TRueQ Watt, var, loss compensation, load profi	(A:			h A1810	options)	L3 L5 L7
Metering options Watt, var, TRueQ Watt, var, loss compensation, TRueQ Watt, var, load profiling, TRueQ Watt, var, loss compensation, load profi Watt, var, load profiling, instrumentatio	(A. ling, TRueQ n profiling, TRu	ıeQ	mbined wit	h A1810	options)	L3 L5 L7 L9
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Raleigh, North Carolina United States

+1 919 212 4700 (United States) +1 905 634 4895 (Canada)

support@us.elster.com

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