

Use:

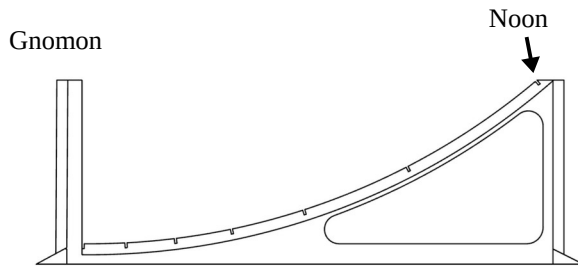
Sun Dial:

Set the pointer on the arm to your latitude.

Set the vane pointer to the current month.

Suspend the device by the suspension ring.

Read the hour from the shadow of the gnomon on the vane. Each mark represents 1 hour.



Note: In this way of measuring time, each day has exactly 12 daylight hours and 12 hours of night. The length of the hour varies throughout the year and, except on the equinoxes, the length of the night hour is different from the day hour.

Calendar: Advance the day of the week input each day. Read the position of the sun and moon relative to the zodiac on the back. Moon phase and age are also indicated on the back. Due to the less than perfect precision of the gear ratios, occasional adjustment to the wheels may need to be made manually by removing the back and adjusting the orientation of the various dials.








Interpretation Guide

Moon Age:

Greek numbers are represented by their alphabet:

		10	I	20	K	30	Λ
1	A	11	IA	21	KA	35	ΛΕ
2	B	12	IB	22	KB	40	M
3	Γ	13	ΙΓ	23	KΓ	50	N
4	Δ	14	ΙΔ	24	KΔ	60	Z
5	Ε	15	ΙΕ	25	ΚΕ	70	O
6	Ϛ	16	ΙϚ	26	ΚϚ	80	Π
7	Z	17	IZ	27	KZ	90	Ϛ
8	H	18	IH	28	KH		
9	Θ	19	IΘ	29	KΘ		

Day of the week:

	Sun
	Moon
	Mars
	Mercury
	Jupiter
	Venus
	Saturn

Zodiac:

KPI	Aries
TAY	Taurus
ΔΙΑ	Gemini
KAP	Cancer
ΛCO	Leo
ΠAP	Virgo
XHA	Libra
CKO	Scorpio
TOE	Sagittarius
AIG	Capricornus
YAP	Aquarius
IXΘ	Pisces

Table of locations/latitudes:

				Ptolemy	Modern
ΚΩCΤΑΝΤΙΝΟΣ	MA	Constantinople	41	43° 05'	41° 02'
COHNH	KΔ	Syene	24	23° 50'	24° 05'
ΘΗΒΑΙC	KH	Thebaid	28		
ΑΦΡΙΚΗ	ΛΑ	Africa	31		
ΑΛΕΞΑΝΔΡΟΣ	ΛΑ	Alexandria	31	31°	31° 13'
ΑΝΤΙΟΧΙΑ	ΑΣ	Antioch	36	37° 20'	36° 12'
ΡΟΔΟΣ	ΑΣ	Rhodes	36		
ΑΘΗΝΑΙ	ΑΣ	Athens	36	37° 10'	38° 0'
CΗΚΕΛΙΑ	ΑΣ	Sicily	36		
ΘΕCΣΑΛΟΝΙΚΗ	M	Thessalonika	40	49° 20'	40° 38'
ΡΩΜΗ	MA	Rome	41	41° 40'	41° 53'
ΔΕΛΜΑΤΙΑ	MB	Dalmatia	42		
ΔΟΡΑΚΙΝ	MΓ	Doclea	43	42° 15'	42° 28'
ΚΕCΑΡΕΑ	ΛΒ	Caesarea Stratonis	32	32° 30'	32° 30'
ΠΑΛΕCΤΙΝΗ	ΛH	Palestine	38		
ΑCΚΑΛΩΝ	Λ	Ascalon	30	31° 40'	31° 40'

Sundial
Months
(Rough
Correspondence)

ΙΑ	January
ΦCΒP	February
ΝΑΡΤΙ	March
ΑΠΡΙΑ	April
ΜΑΙ	May
ΙΟ	June
ΙΟ	July
ΑΓΟΥ	August
ϚΕΠΤ	September
ΟΚΤΩ	October
ΝΟC	November
Δ	December