HP 30S

+ − × ÷ +/− ( ) ENTER

+ − × ÷	5 + 9 × 6 ENTER	DEG 5+9*6 → 59.
+/–*n*	+/− 6 ÷ 4 − 8 ENTER	DEG -6/4-8 → -9.5
()	6 × (2 + 3) ENTER	DEG 6*(2+3) → 30.
	6 (2 + 3) ENTER	DEG 6(2+3) → 30.

▲ ▼

▲ ▼	1 + 2 ENTER	DEG 1+2 → 3.
	2 + 3 ENTER	DEG 2+3 → 5.
	3 + 4 ENTER	DEG 3+4 → 7.
	▲ ▲	DEG 2+3 ↑↓
	▼	DEG 3+4 ↑

2nd [ANS]

ANS	1 + 2 ENTER	DEG 1+2 → 3.
	× 10 ENTER	DEG Ans*10 → 30.
	sin 2nd [ANS] ENTER	DEG sin(Ans) → 0.5

x^2 2nd [y^x] $\sqrt{}$ 2nd [$\sqrt[x]{}$] 2nd [x^{-1}]

x^2	3 x^2 ENTER	DEG 3^2 → 9.
y^x	2 2nd [y^x] 3 ENTER	DEG 2^3 → 8.
$\sqrt{}$	$\sqrt{}$ 169 ENTER	DEG √(169) → 13.
$\sqrt[x]{}$	3 2nd [$\sqrt[x]{}$] 27 ENTER	DEG $3\sqrt[x]{(27)}$ → 3.
x^{-1}	4 2nd [x^{-1}] ENTER	DEG 4^{-1} → 0.25

2nd [%] 2nd [%CHG]

%	20 2nd [%] × 300 ENTER	DEG 20%*300 → 60.
%CHG	2nd [%CHG] 4 2nd [,] 8 ENTER	DEG %CHG(4,8) → 100.

$a^b/_c$ 2nd $a^b/_c \blacktriangleleft\blacktriangleright d/_c$ 2nd [F◄►D]

$7\,^6/_8 - 3$	7 $a^b/_c$ 6 $a^b/_c$ 8 − 3 ENTER	DEG 7⌟6⌟8-3 → $4\text{U}3/4$
$^1/_2 + {}^3/_5$	1 $a^b/_c$ 2 + 3 $a^b/_c$ 5 ENTER	DEG 1⌟2+3⌟5 → $1\text{U}1/10$
$^{11}/_4 \rightarrow 2\,^3/_4$	11 $a^b/_c$ 4 ENTER	DEG 11⌟4 → $2\text{U}3/4$
$2\,^3/_4 \rightarrow {}^{11}/_4$	2 $a^b/_c$ 3 $a^b/_c$ 4 2nd [$a^b/_c \blacktriangleleft\blacktriangleright d/_c$] ENTER	DEG 2⌟3⌟4▶$a^b/_c \blacktriangleleft\blacktriangleright d/_c$ → $11/4$
$2\,^3/_4 \rightarrow 2.75$	2 $a^b/_c$ 3 $a^b/_c$ 4 2nd [F◄►D] ENTER	DEG 2⌟3⌟4▶F◄►D → 2.75
$2.75 \rightarrow 2\,^3/_4$	2 • 75 2nd [F◄►D] ENTER	DEG 2.75▶F◄►D → $2\text{U}3/4$

DRG 2nd [DMS]

DRG	DRG ►	DEG DEG RAD GRD
DMS	ENTER tan 45 2nd [DMS]	RAD ° ' " r g →
	ENTER ENTER	RAD tan(45°) → 1
DRG	CL DRG ◄	RAD DEG RAD GRD
DMS	ENTER 2 π 2nd [DMS] ► ► ►	DEG ° ' " r g →
	ENTER ENTER	DEG $2\pi^r$ → 360.
DMS	1 • 5 2nd [DMS] ◄	← DEG ▶DMS
	ENTER ENTER	DEG 1.5▶DMS → $1\,°30'0"$

log ln 2nd [10^x] 2nd [e^x]

LOG	log 100 ► × 3 ENTER	DEG log(100)*3 → 6.
LN	ln 30 ENTER	DEG ln(30) → 3.401197382
10^x	2nd [10^x] 4 ENTER	DEG 10^(4) → 10'000.
e^x	2nd [e^x] 2 ENTER	DEG e^(2) → 7.389056099

sin 2nd [SIN^{-1}] cos 2nd [COS^{-1}] tan 2nd [TAN^{-1}]

SIN	sin π ÷ 6 ENTER	RAD sin(π/6) → 0.5
COS^{-1}	2nd [COS^{-1}] 0 • 5 ENTER	RAD $\cos^{-1}(0.5)$ → 1.047197551

2nd [HYP]

HYP	2nd [HYP] sin 1 ENTER	DEG sinh(1) → 1.175201194
	2nd [HYP] 2nd [COS^{-1}] 1 • 5 ENTER	DEG $\cosh^{-1}(1.5)$ → 0.96242365

2nd [R◄►P]

R→Pr	2nd [R◄►P]	DEG R▶Pr R▶Pθ →
	ENTER 3 2nd [,] 4 ENTER	DEG R▶Pr(3,4) → 5.
R→Pθ	2nd [R◄►P] ►	DEG R▶Pr R▶Pθ →
	ENTER 3 2nd [,] 4 ENTER	DEG R▶Pθ(3,4) → 53.13010235
P→Rx	2nd [R◄►P] ► ►	← DEG P▶Rx P▶Ry
	ENTER 5 2nd [,] 53.1301 ENTER	DEG P▶Rx(5,53.1301) → 3.000000164
P→Ry	2nd [R◄►P] ◄	← DEG P▶Rx P▶Ry
	ENTER 5 2nd [,] 53.1301 ENTER	DEG P▶Ry(5,53.1301) → 3.999999877

2nd [FIX] 2nd [RND] 2nd [SCI/ENG] E

FIX	2 × π ENTER	DEG 2*π → 6.283185307
	2nd [FIX] ► ► ► ►	DEG F0123456789
	ENTER	DEG FIX 2*π → 6.283
RND	2 × 2nd [RND] π ENTER	DEG FIX 2*RND(π) → 6.284
SCI/ENG	123456 2nd [SCI/ENG] ►	DEG FLO SCI ENG
	ENTER ENTER	DEG SCI 123456 → $1.23456_{x10}{}^{05}$
	2nd [SCI/ENG] ► ENTER	DEG ENG 123456 → $123.456_{x10}{}^{03}$
E	1 • 23 E +/− 5 ENTER	DEG 1.23E-5 → 0.0000123

2nd [K]

K	2nd [K] × 30 − 5 ENTER	DEG k=*30-5 K
	CL	DEG K
	2 ENTER	DEG 2*30-5 K → 55.
	5 ENTER	DEG 5*30-5 K → 145.
	2nd K	DEG

CONV

CONV	5 CONV	DEG → inch cm mm →
	▼ ► ENTER	DEG feet m → 5.
	►	DEG ← yard mile → 5.468066486
	►	DEG ← yard mile → 0.003106856

STO 2nd [RCL] VRCL 2nd [CL-VAR] 2nd [CL-EQN]

STO	25 STO	DEG → A B C D X_1 →
	ENTER	DEG 25 → A → 25.
RCL	3 + 2nd [RCL]	DEG A B C D X_1 → 25.
	ENTER ENTER	DEG 3+25 → 28.
	STO ►	DEG → A B C D X_1 →
	ENTER	DEG Ans → B → 28.
VRCL	VRCL ►	DEG A B C D X_1 → 28.
	ENTER + 3 ENTER	DEG B+3 → 31.
CL-VAR	2nd [CL-VAR] VRCL	DEG A B C D X_1 →
EQN	CL 3 VRCL	DEG A B C D X_1 →
	ENTER + 5 VRCL ► ENTER	DEG 3A+5B →
	STO ◄	← DEG Y_2 EQN
	ENTER	DEG 3A+5B → EQN → 0.
	VRCL ◄ ENTER	DEG 3A+5B →
	ENTER 55	DEG A=55 →
	ENTER 6	DEG B=6 →
	ENTER	DEG 3A+5B → 195.
CL-EQN	VRCL ◄	← DEG Y_2 EQN
	2nd [CL-EQN] VRCL ◄	← DEG Y_2 EQN

M+ 2nd [M–] MRC

M+	5 M+	DEG 5 M → 5.
	7 M+	DEG 7 M → 7.
MRC	MRC ENTER	DEG 12 M → 12.
M–	3 2nd [M–]	DEG 3 M → 3.
	MRC ENTER	DEG 9 M → 9.
MRC	MRC MRC	DEG 9 →

PRB

nPr	3 PRB	DEG nPr nCr ! →
	ENTER 2 ENTER	DEG 3 nPr 2 → 6.
nCr	3 PRB ►	DEG nPr nCr ! →
	ENTER 2 ENTER	DEG 3 nCr 2 → 3.
!	5 PRB ► ►	DEG nPr nCr ! →
	ENTER ENTER	DEG 5! → 120.
RANDM	PRB ◄ ◄	← DEG RANDM →
	ENTER ENTER	DEG RANDM → 0.962550876
RANDMI	PRB ◄	← DEG RANDMI
	ENTER 3 2nd [,] 9 ENTER	DEG RANDMI(3,9) → 5.

CONST

CONST	5 × CONST ►	DEG c g G Vm NA →
	ENTER ENTER	DEG 5*9.80665 → 49.03325

MODE STAT DATA STATVAR

■ 1–VAR: 15, 15, 18, 18, 18

MODE	MODE 1	STAT DEG 1-VAR 2-VAR →
	ENTER	STAT DEG
DATA	DATA 15	STAT DEG X_1=15 ↑↓
	▼ 2	STAT DEG $FREQ_1$=2 ↑↓
	▼ 18	STAT DEG X_2=18 ↑↓
	▼ 3 ▼	STAT DEG X_3= ↑↓
STATVAR	STATVAR ► ► ► ►	STAT DEG ←Σ X Σ X^2 84.
	× 2 ENTER	STAT DEG ΣX*2 168
CLR-DATA	MODE ENTER ► ►	STAT DEG ←CLR-DATA
	ENTER MODE 0	DEG

■ 2–VAR: (5, 7), (8, 10), *x*' = 11

MODE	MODE 1 ►	STAT DEG 1-VAR 2-VAR →
DATA	ENTER DATA 5	STAT DEG X_1=5 ↑↓
	▼ 7	STAT DEG Y_1=7 ↑↓
	▼ 8	STAT DEG X_2=8 ↑↓
	▼ 10 ▼	STAT DEG X_3= ↑↓
STATVAR	STATVAR ► ► ► ► ► ► ►	STAT DEG ←Sy σy x' y' →
	ENTER 11 ENTER	STAT DEG X'(11) 9
CLR-DATA	MODE ENTER ►	STAT DEG ←CLR-DATA
	ENTER MODE 0	DEG

MODE LSOLV [𝕏] [𝕐]

$3x + 5y = 21, -x + 3y = 7, x = ?, y = ?$

MODE	MODE 2	DEG LSOLV
𝕏, 𝕐, =	3 2nd [𝕏] + 5 2nd [𝕐] 2nd [=] 21 2nd [,]	DEG LSOLV 3X+5Y=21,
	+/− 2nd [𝕏] + 3 2nd [𝕐] 2nd [=] 7	DEG LSOLV ← 21, -X+3Y=7
	ENTER	DEG LSOLV X Y 2.
	►	DEG LSOLV X Y 3.
MODE	MODE 0	DEG
RCL	2nd [RCL] ► ► ► ► ►	DEG ← X2 X Y Y1 → 2.
	►	DEG ← X2 X Y Y1 → 3.

MODE QSOLV [𝕏]

$x^2 + 2x - 3 = 0, x = ?$

MODE	MODE 3	DEG QSOLV
𝕏, =	2nd [𝕏] x^2 + 2 2nd [𝕏] − 3 2nd [=] 0	DEG QSOLV X^2+2X-3=0
	ENTER	DEG QSOLV X1 X2 1.
	►	DEG QSOLV X1 X2 -3.
MODE	MODE 0	DEG
RCL	2nd [RCL] ► ► ► ►	DEG A B C D X1 → 1.
	►	DEG ← X2 X Y Y1 → –3.

Part number F1900-90250
Printed in China Version 1.1