

TOTAL STATION

1-About total station

2-Data Collector

3-Layout(stokout)s.o

4-Resection

5-Data transfer

$$AZ_{ab} = \tan^{-1}(\Delta E / \Delta N)$$

$$E_b = E_a + L \sin(AZ)$$

$$N_b = N_a + L \cos(AZ)$$

$$D_{ab} = (\Delta E^2 + \Delta N^2)^{0.5}$$

HOLD •

ALP •

NUM •

Occ p t •

0 set •

SHV •

H- set •

TILT •

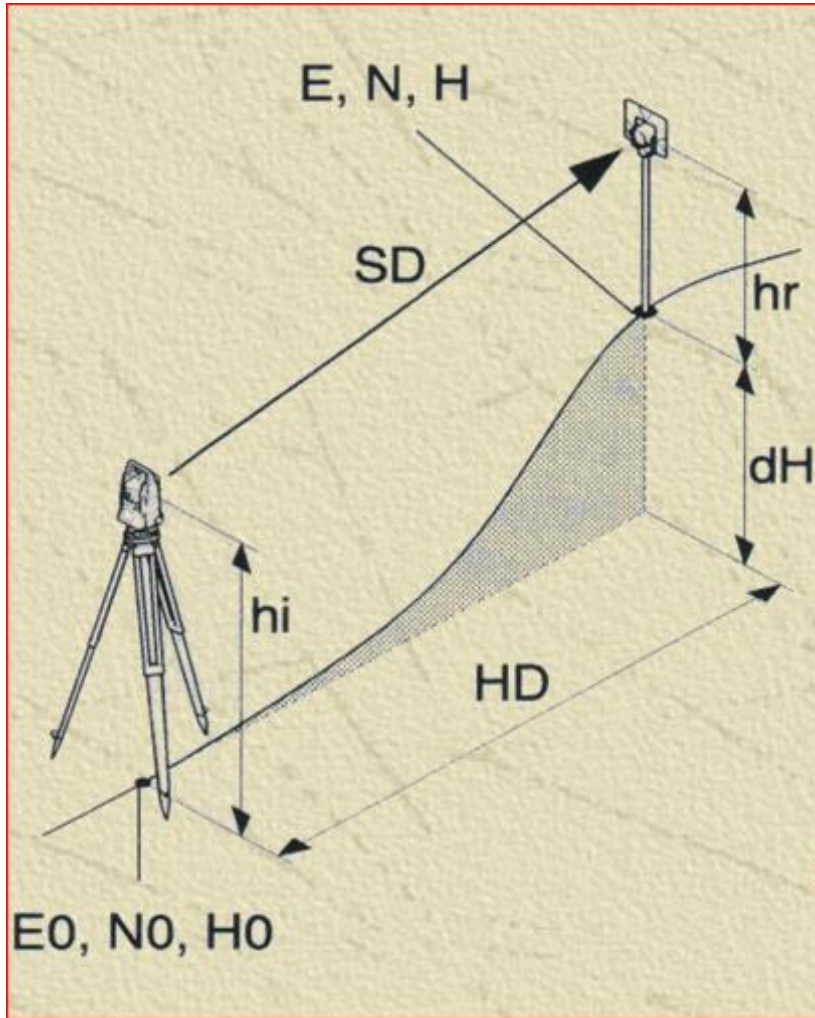
MLM •

REM •

ZA •

BS •

About total



SD المسافة المائلة (Slope Distance)

HD المسافة الأفقية (Horizontal Distance)

dH فرق الارتفاع (Difference of Height)

hr ارتفاع العاكس (Height of Reflector)

h_i ارتفاع الجهاز (Height of Instrument)

E₀ الإحداثي الأفقي للمحطة (Easting of Station)

N₀ الإحداثي الشاقولي للمحطة (Northing of Station)

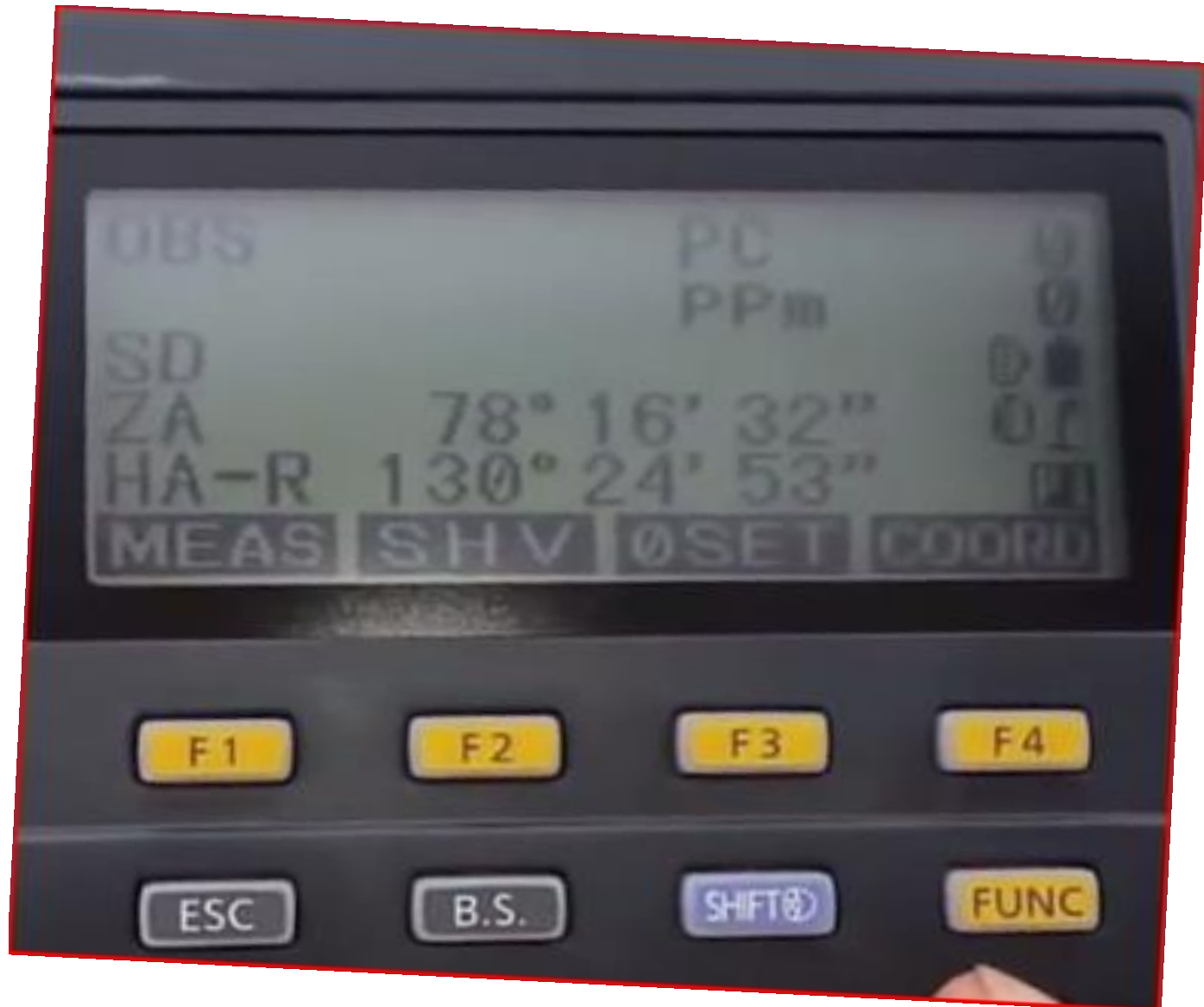
H₀ ارتفاع المحطة (Height of Station)

E الإحداثي الأفقي للشارة (Easting of Target Point)

N الإحداثي الشاقولي للشارة (Northing of Target Point)

H ارتفاع الشارة (Height of Target Point)

P1



Basic observation



SHV

SHVdist

Graphic

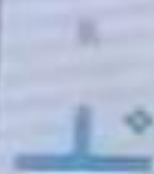


SD

0
5
psm

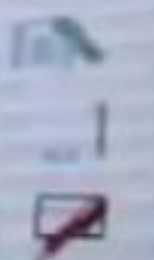
ZA

$100^{\circ}22'41''$



HA-R

$145^{\circ}42'01''$



EDM

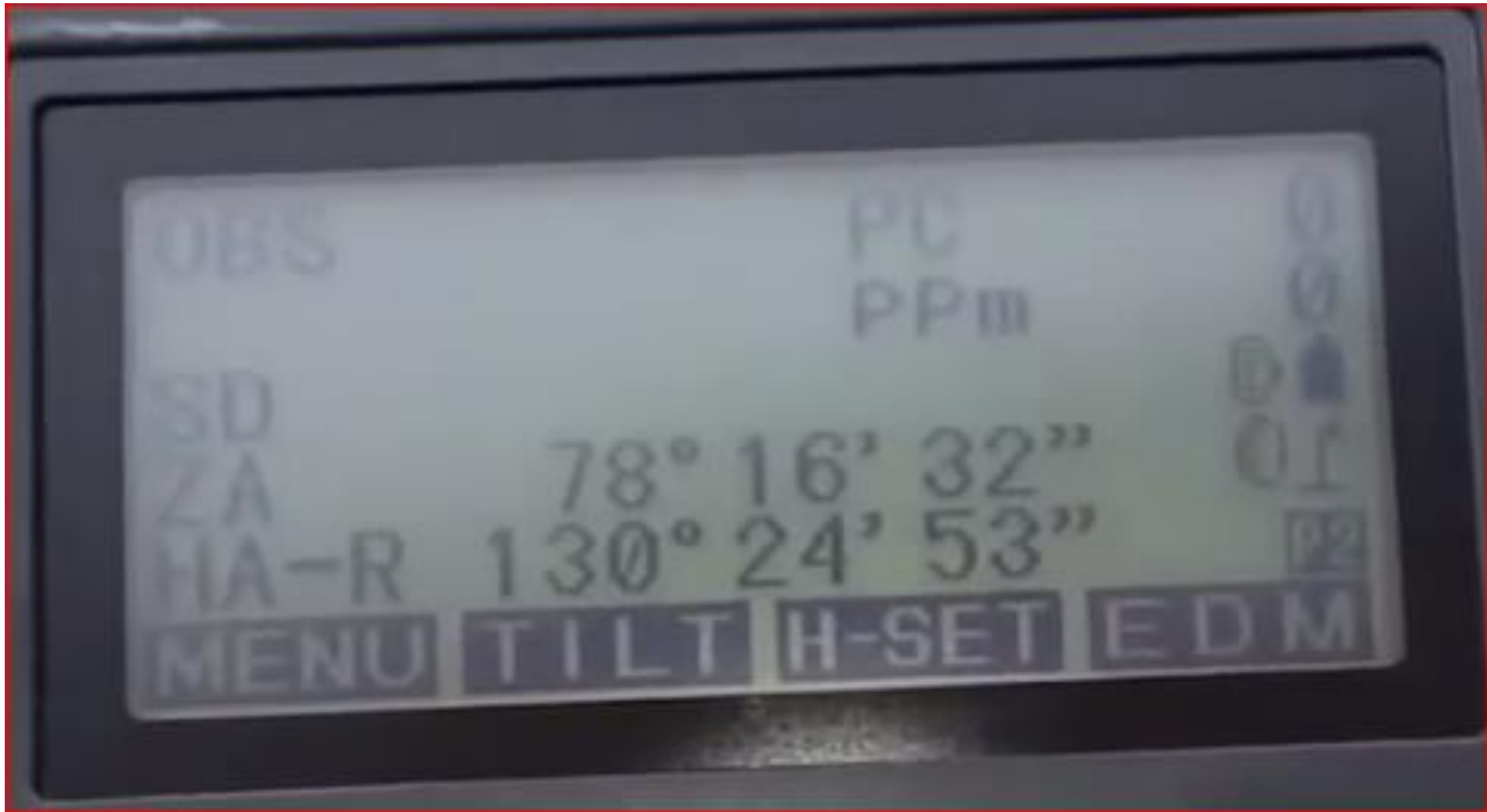
TILT

OSET

MEAS

P1

P2



p3

