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10 CLS : SCREEN 9
20 REM nummes%=rang de la mesure,mesure%=valeur de la mesure
30 REM xorig%= origine de l'axe x pour tracer
40 REM vit variable tempo,en fonction du pc!!!
nummes% = 1
xorig% = 1
mesure% = 0
PRINT "                PROGRAMME D'ACQUISITION DE DONNEES"
PRINT "                par le port parallele ,avec un max 187"
PRINT "                -----"
PRINT
PRINT
INPUT "DATE < jjmmaa >", dat$
PRINT "VITESSE D'ACQUISITION 0 = tres rapide "
PRINT "A 100000=1 MESURE TOUTES LES 10 secondes "
PRINT "EN COURS D'EXECUTION LA VITESSE PEUT ETRE MODIFIEE PAR < v >ou < l >"
INPUT "VITESSE :", vit
nomdefichier$ = "c:\don\" + "do" + dat$ + ".dat"
PRINT "LES MESURES PEUVENT ETRE STOPPEES PAR < q >"
PRINT "LES DONNEES SERONT ENREGISTREES DANS LE FICHER :", nomdefichier$
OPEN nomdefichier$ FOR OUTPUT AS #1
PRINT
PRINT
100 REM boucle principale
INPUT "DEMARRER LA MESURE ? < O / N > ", rep$
IF rep$ = "o" OR rep$ = "O" THEN GOTO 130 ELSE GOTO 120
120 CLOSE #1: END
130 GOSUB 200
150 GOSUB 700
160 GOSUB 300
170 GOSUB 400
180 GOSUB 500
190 nummes% = nummes% + 1
192 com$ = INKEY$: IF com$ = "q" THEN GOTO 120
193 IF com$ = "l" THEN vit = vit + 100
194 IF com$ = "v" THEN vit = vit - 100
198 GOTO 150
199 END

200 REM affichage entete page graphique
CLS
LOCATE 3, 30: PRINT "MESURE du :", dat$
LOCATE 11, 77: PRINT "4v"
LOCATE 25, 77: PRINT "ov"
LOCATE 11, 2: PRINT "v"
LOCATE 13, 2: PRINT "O"
LOCATE 15, 2: PRINT "L"
LOCATE 17, 2: PRINT "T"
LOCATE 19, 2: PRINT "S"
LOCATE 25, 1: PRINT "TEMPS>"
RETURN

300 REM mesure accum%=variable fournissant le resultat ,
301 REM sous routine provenant de Radio-sky publishing.
accum% = 0
OUT 888, 1
OUT 888, 0
OUT 888, 2
OUT 888, 0
OUT 888, 2
IF (INP(889) AND 32) > 0 THEN accum% = 2048
OUT 888, 0
OUT 888, 2
IF (INP(889) AND 32) > 0 THEN accum% = accum% + 1024

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OUT 888, 0
OUT 888, 2
IF (INP(889) AND 32) > 0 THEN accum% = accum% + 512
OUT 888, 0
OUT 888, 2
IF (INP(889) AND 32) > 0 THEN accum% = accum% + 256
OUT 888, 0
OUT 888, 2
IF (INP(889) AND 32) > 0 THEN accum% = accum% + 128
OUT 888, 0
OUT 888, 2
IF (INP(889) AND 32) > 0 THEN accum% = accum% + 64
OUT 888, 0
OUT 888, 2
IF (INP(889) AND 32) > 0 THEN accum% = accum% + 32
OUT 888, 0
OUT 888, 2
IF (INP(889) AND 32) > 0 THEN accum% = accum% + 16
OUT 888, 0
OUT 888, 2
IF (INP(889) AND 32) > 0 THEN accum% = accum% + 8
OUT 888, 0
OUT 888, 2
IF (INP(889) AND 32) > 0 THEN accum% = accum% + 4
OUT 888, 0
OUT 888, 2
IF (INP(889) AND 32) > 0 THEN accum% = accum% + 2
OUT 888, 0
OUT 888, 2
IF (INP(889) AND 32) > 0 THEN accum% = accum% + 1
OUT 888, 2
OUT 888, 0
OUT 888, 2
OUT 888, 0
OUT 888, 1
measure% = accum%
RETURN

400 REM enregistrement des mesures
WRITE #1, nummes%, mesure%, TIME$
RETURN

500 REM affichage resultat et trace courbe
xorig% = nummes% - (550 * (INT(nummes% / 550)))
IF xorig% = 549 THEN GOSUB 200
LOCATE 3, 10: PRINT "MES:"; nummes%; "VAL:"; mesure%; "mv      ", TIME$
LINE (xorig% + 50, 350)-(xorig% + 50, 350 - (mesure% / 17)), 9
RETURN

700 REM boucle tempo
FOR x = 0 TO vit
NEXT x
RETURN

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