

The HP-GL command list

*=support P=Partial compatible N=NOP X=No support

Vector Group

Command	Data format	CraftRoboPro S	CE5000-60	CE5000-120	Remarks
AA (ARC ABSOLUTE)	AAx,y, θ (, ϕ);	*	*	*	
AR (ARC RELATIVE)	AR Δ x, Δ y, θ (, ϕ);	*	*	*	
CI (CIRCLE)	CI γ (, ϕ);	*	*	*	
CT (CHORD TOLERANCE)	CTn; CT;	*	*	*	
PA (PLOT ABSOLUTE)	PAx1,y1(, \cdots ,xn,yn); PA;	*	*	*	
PU (PEN UP)	PUx,y; PU;	*	*	*	
PD (PEN DOWN)	PDx,y; PD;	*	*	*	
PR (PLOT RELATIVE)	PR Δ x1, Δ y1(, \cdots , \cdots , Δ xn, Δ yn);	*	*	*	
EP (EDGE POLYGON)	EP;	*	*	*	
FP (FILL POLYGON)	FP;	*	*	*	
FT (FILL TYPE)	FT(n(d(, θ))); FT;	*	*	*	
PT (PEN THICKNESS)	PTd; PT;	*	*	*	
PM (POLYGON MODE)	PMn; PM;	*	*	*	
RA (SHADE RECTANGLE ABSOLUTE)	RAx,y;	*	*	*	
EA (EDGE RECTANGLE ABSOLUTE)	EAx,y;	*	*	*	
RR (SHADE RECTANGLE RELATIVE)	RR Δ x, Δ y;	*	*	*	
ER (EDGE RECTANGLE RELATIVE)	ERx,y;	*	*	*	
WG (SHADE WEDGE)	WG γ , α , θ (, ϕ);	*	*	*	
EW (EDGE WEDGE)	EW γ , α , θ (, ϕ);	*	*	*	
UF (USER DEFINED FILL TYPE)	UFg1(g2,g3 \cdots g20);	*	*	*	

Chracter Group

Command	Data format	CraftRoboPro S	CE5000-60	CE5000-120	Remarks
BL (BUFFERED LABEL STRING)	BLc1,c2 \cdots cn[t]	*	*	*	

Command	Data format	CraftRoboPro S	CE5000-60	CE5000-120	Remarks
CA (DESIGNATE ALTERNATE CHARACTER SET)	CAn;	*	*	*	
CC (CHARACTER CHORD ANGLE)	CC ϕ ; CC;	*	*	*	

CM (CHRACTER SELECTION MODE)	CMs(,f);	*	*	*	
CP (CHRACTER PLOT)	CPn,m; CP;	*	*	*	
CS (DESIGNATE STANDARD CHARACTER SET)	CSn; CS;	*	*	*	
DI (ABSOLUTE DIRECTION)	DIrun,rise; DI;	*	*	*	
DL (DEFINE DOWNLOADABLE CHARACTER)	DLc(i),x1,y1(i),x2,y2···(i),xn,yn; DLc; DL;	*	*	*	
DR (RELATIVE DIRECTION CHARACTER SET)	DRrun,rise;	*	*	*	
DS (DESIGNATE CHARACTER SET INTO SLOT)	DSs,n;	*	*	*	
DT (DEFINE TERMINATOR)	DTt;	*	*	*	
DV (VERTICAL LABEL DIRECTION)	DVn; DV;	*	*	*	
ES (EXTRA SPACE)	ESn(,m); ES;	*	*	*	
IV (INVOKE CHARACTER SLOT)	IVs(,d); IV;	*	*	*	
LB (LABEL)	LBc1c2···cn[t];	*	*	*	
LO (LABEL ORIGIN)	LOn; LO;	*	*	*	
OL (OUTPUT LABEL LENGTH)	OL;	*	*	*	
PB (PRINT BUFFERED LABEL)	PB;	*	*	*	
SA (SELECT ALTERNATE SET)	SA;	*	*	*	
SI (ABSOLUTE CHARACTER SIZE)	SIw,h;	*	*	*	
SL (CHARACTER SLANT)	SLtan θ ; SL;	*	*	*	
SR (RELATIVE CHARACTER SIZE)	SRw,h; SR;	*	*	*	
SS (SELECT STANDARD SET)	SS;	*	*	*	

Command	Data format	CraftRoboPro S	CE5000-60	CE5000-120	Remarks
UC (USER DEFINED CHARACTER)	UC(i,)x1,y1,(i,)x2,y2···(i,)xn,yn;	*	*	*	
KB (KANJI)	KBcccc[,cccc,...,cccc];	X	X	X	

Line type Group

Command	Data format	CraftRoboPro S	CE5000-60	CE5000-120	Remarks
LT (LINE TYPE)	LTn(,l) LT;	*	*	*	
SM (SYMBOL MODE)	SMc; SM;	*	*	*	
SP (PEN SELECT)	SPn; SP;	*	*	*	

AS (ACCELERATION SELECT)	ASa(,n);	* a form 1 to 3 n from 1 to 8	* a form 1 to 3 n from 1 to 8	* a form 1 to 2 n from 1 to 8	A=a * 0.5(G)
VS (VELOCITY SELECT)	VSv(,n);	* v from 1 to 40 n from 1 to 8	* v from 1 to 60 n from 1 to 8	* v from 1 to 60 n from 1 to 8	
FS (FORCE SELECT)	FSf(,n); FS;	* f from 1 to 31 n from 1 to 8	* f from 1 to 31 n from 1 to 8	* f from 1 to 38 n from 1 to 8	
FC (CUTTER OFFSET)	FC p,q(,n) [t]	*	*	*	
FD (BLADE ROTATION CONTROL)	FD θ [t]	*	*	*	

Digitize Group

Command	Data format	CraftRoboPro S	CE5000-60	CE5000-120	Remarks
DC (DIGITIZE CLEAR)	DC;	*	*	*	
DP (DIGITIZE POINT)	DP;	*	*	*	
OD (OUTPUT DIGITIZED POINT AND PEN STATUS)	OD;	*	*	*	

Axis Group

Command	Data format	CraftRoboPro S	CE5000-60	CE5000-120	Remarks
TL (TICK LENGTH)	TLtp(,tm);	*	*	*	
XT (X TICK)	XT;	*	*	*	
YT (Y TICK)	YT;	*	*	*	

Setup Group

Command	Data format	CraftRoboPro S	CE5000-60	CE5000-120	Remarks
IP (INPUT P1 AND P2)	IPp1x,p1y,p2x,p2y;	*	*	*	

Command	Data format	CraftRoboPro S	CE5000-60	CE5000-120	Remarks
IW (INPUT WINDOW)	IWxll,yll,xur,yur;	*	*	*	
OP (OUTPUT P1 AND P2)	OP;	*	*	*	
SC (SCALE)	SCxmin,xmax,ymin,ymax; SC;	*	*	*	
OW (OUTPUT WINDOW)	OW;	*	*	*	

Configuration & Status Group

Command	Data format	CraftRoboPro S	CE5000-60	CE5000-120	Remarks
DF (DEFAULT)	DF;	*	*	*	
IM (INPUT MASK)	IMe,s,p;	*	*	*	
IN (INITIALIZE)	IN;	*	*	*	

OA (OUTPUT ACTUAL POSITION AND PEN STATUS)	OA;	*	*	*	
OC (OUTPUT COMMANDED POSITION AND PEN STATUS)	OC;	*	*	*	
OE (OUTPUT ERROR)	OE;	*	*	*	
OF (OUTPUT FACTOR)	OF;	*	*	*	
OH (OUTPUT HARD CLIP LIMITS)	OH;	*	*	*	
OI (OUTPUT IDENTIFICATION)	OI;	*	*	*	
OO (OUTPUT OPTION)	OO;	*	*	*	
OS (OUTPUT STATUS)	OS;	*	*	*	
OT (OUTPUT TURRET TYPE)	OT;	*	*	*	
GM (GRAPHICS MEMORY)	GM(,p)(,d)(,r)(,v)(,s); GM;	*	*	*	

Paper Advance Group

Command	Data format	CraftRoboPro S	CE5000-60	CE5000-120	Remarks
!PG (PAGE SET)	!PGn;	X	X	X	
AP (AUTOMATIC PEN OPERATION)	APi; AP;	*	*	*	
NR (NOT READY)	NR;	*	*	*	
RO (ROTATE COORDINATE SYSTEM)	ROn; RO;	*	*	*	

Command	Data format	CraftRoboPro S	CE5000-60	CE5000-120	Remarks
AF (ADVANCE FULL PAGE)	AFn; AF;	*	*	*	
AH (ADVANCE HALF PAGE)	AHm; AH;	*	*	*	
PG (PAGE FEED)	PGn; PG;	*	*	*	