The GP-GL command list

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

Plots line

Command	Data format	CraftRoboPro S	CE5000-60	CE5000-120	Remarks
D (DRAW)	Dx1,y1,x2,y2……xn,yn[t]	*	*	*	
E (RELATIVE DRAW)	EΔx1,Δy1,Δx2,Δy2……Δxn,Δyn[t]	*	*	*	
M (MOVE)	Mx,y,	*	*	*	
O (RELATIVE MOVE)	OΔx,Δy,	*	*	*	
MP (MOVE POLAR)	MP r, θ [t]	*	*	*	
DP (DRAW POLAR)	DPr1,θ1,r2,θ2…rn,θn[t]	*	*	*	
EP (RELATIVE DRAW POLAR)	EPΔr,θ[t]	*	*	*	
OP (RELATIVE MOVE POLAR)	OPΔr,Δθ[t]	*	*	*	
RP (RADIUS PLOT)	RPθ,l1,l2	*	*	*	

Character and symbol

Command	Data format	CraftRoboPro S	CE5000-60	CE5000-120	Remarks
P (PRINT)	Pc1,c2…cn[t]	*	*	*	
K (KANA(GREEK))	Kc1,c2…cn[t]	*	*	*	
N (MARK)	Nn,	*	*	*	
SP (SELECT POINT MARK)	SPc[t]	*	*	*	
((USER'S PATTERN)	(n1,n2…nn[t]	N	N	N	
(P (USER'S PROGRAM PATTERN)	(P[p,]Δx1,Δy1,[p,]Δx2,Δy2…;[p,]Δxn,Δyn	*	*	*	

Circle and curve

Command	Data format	CraftRoboPro S	CE5000-60	CE5000-120	Remarks
WP (3-POINT CIRCLE)	WP x1,y1,x2,y2,x3,y3[,d][t]	*	*	*	
W (CIRCLE)	Wx0,y0,r1,r2,θ1,θ2[,d][t]	*	*	*	
] (RELATIVE CIRCLE)	]r1,r2,θ1,θ2[,d][t]	*	*	*	
Y (CURVE)	Ya,x1,y1,x2,y2…;xn,yn[t]	*	*	*	
_ (RELATIVE CURVE)	_a,Δx1,Δy1,Δx2,Δy2…Δxn,Δyn[t]	*	*	*	
) (ELLIPSE)	)a,x0,y0,r1,r2,θ1,θ2,θ3	*	*	*	
BZ (BEZIER CURVE)	BZ a,x1,y1,x2,y2,x3,y3,x4,y4[,d][t]	*	*	*	

Line specification

Command	Data format	CraftRoboPro S	CE5000-60	CE5000-120	Remarks
L (LINE TYPE)	Lp,	*	*	*	
B (LINE SCALE)	Bl,	*	*	*	

Character and symbol specification

Command	Data format	CraftRoboPro S	CE5000-60	CE5000-120	Remarks
$ (FONT)	$n,(m,)	*	*	*	
S (ALPHA SCALE)	Sn,(m,)	*	*	*	
Q (ALPHA SPACE)	Ql(k,)	*	*	*	
R (ALPHA ROTATE)	Rθ,	*	*	*	
I (ALPHA ITALIC)	Ip,	*	*	*	
LP (LABEL POSITION)	LPn[t]	*	*	*	
A (ALPHA RESET)	A	*	*	*	
RC (REPLOT CHARACTER)	RC c,x1,y1,[P,]x2,y2,[P1,]…xn,yn[t]	*	*	*	

Control

Command	Data format	CraftRoboPro S	CE5000-60	CE5000-120	Remarks
H (HOME)	H	*	*	*	
^ (OFFSET)	^x,y,	*	*	*	
^P (OFFSET POLAR)	^Px,y[,θdegrees[f][t]]	*	*	*	
J (NEW PEN)	Jn,(m)	* n from 1 to 8	* n from 1 to 8	* n from 1 to 8	

!
(SPEED)
	! l[,n][t]	*
		l from 1 to 10
		from 101 to 140
		n from 1 to 8
			*
			l from 1 to 10
			from 101 to 160
			n from 1 to 8
				*
				l from 1 to 10
				from 101 to 160
				n from 1 to 8
					l<11:
					    V = l x (Max Speed / 10)
					l>100:
					    V = l - 100

* (PEN ACCELERATION & FORCE)	* a,f[,n] [t]	* a from 1 to 3 f from 1 to 31 n from 1 to 8	* a from 1 to 3 f from 1 to 31 n from 1 to 8	* a from 1 to 2 f from 1 to 38 n from 1 to 8	A=a * 0.5(G)
FC (CUTTER OFFSET)	FC p,q[,n] [t]	*	*	*	
FD (BLADE ROTATION CONTROL)	FD θ [t]	*	*	*	
\ (WRITE LOWER LEFT)	\x,y,	*	*	*	
Z (WRITE UPPER RIGHT)	Zx,y,	*	*	*	
/ (ROTATE)	/x,y,θ;,	*	*	*	
> (CLIPPING)	>x1,y1,…;,xn,yn[t]	*	*	*	

Command	Data format	CraftRoboPro S	CE5000-60	CE5000-120	Remarks
& (FACTOR)	&p,q,r,	*	*	*	

		CraftRoboPro S	CE5000-60	CE5000-120	
SO (SET ORIGIN)	SO n	N	N	N	
T (BUZZER)	T n	*	*	*	
F (CHART FEED)	F l[t]	*	*	*	

Output coordinates

Command	Data format	CraftRoboPro S	CE5000-60	CE5000-120	Remarks
G (GIN)	G	*	*	*	
C (CALL GIN)	C	*	*	*	
? (READ OFFSET)	?	*	*	*	
[(READ LOWER LEFT)	[	*	*	*	
U (READ UPPER RIGHT)	U	*	*	*	

Interface control

Command	Data format	CraftRoboPro S	CE5000-60	CE5000-120	Remarks
V (READ STATUS WORD1)	V	*	*	*	
@' (READ STATUS WORD2)	@	*	*	*	
# (READ STATUS WORD3)	#	*	*	*	
= (TERM)	=t1,t2	*	*	*	
" (ERROR MASK)	"m,	*	*	*	
: (CLEAR)	:	*	*	*	
; (INTERFACE CLEAR)	;	*	*	*	
BS (BUFFER SIZE)	BS s1,s2,s3,s4	N	N	N	

Graph

Command	Data format	CraftRoboPro S	CE5000-60	CE5000-120	Remarks
X (AXIS)	Xp,q,r[,t1,t2][t]	*	*	*	
% (HATCHING)	%n,x,y,d,θ[t] (n=1…3)	*	*	*	
	%n,r1,r2,θ1,θ2,d,θ[t] (n=11…13)	*	*	*	
	%n,d,θ,x1,y1,…:,xn,yn[t] (n=21…23)	*	*	*	