



Description	Item No.	Pack. Unit
IP 350 A3 Plotter	258-350	1
incl. ProServe software		
IP 350 A4 Plotter	258-451	1
incl. ProServe software		
Technical Data		
Plotting area	440 mm x 305 mm (258-350) 220 mm x 305 mm (258-451)	
Interfaces	parallell (centronics); USB 1.1	
Language	based on HP-GL 7475A	
Data buffer	16 MB	
Speed	max. 400 mm/sec.	
Drive system	Two-phase stepper motor	
Pen storage unit	max. 4 pens (optimum seal)	
Plotter pen	Special plotter pens with HP receptacle	
Addressable resolution	0.01 mm	
Repeat accuracy	0.05 mm	
Repeatability after changing the pen	0.05 mm using high-quality pens	
Power supply	via separate desktop power supply unit equipped with exchangeable supply line	
Operating voltage	120 V ... 240 V AC / 50 Hz ... 60 Hz	
Voltage range	90 V ... 264 V AC	
Current consumption (internal)	0.3 A max. at 220 V AC	
Dimensions (mm) W x H x L	125 x 660 x 440	
Weight	11,069 g	
Operating temperature	10°C ... 35°C	
Rel. humidity	35 % ... 75 %	
Safety approvals	acc. to UL-UL1950 CSA-950/VDE EN60950	
Immunity to interference	acc. to FCC Class B FCC Part 15 and VDE Class B EN 55022	

Description	Item No.	Pack. Unit
EG 450 Engraver	258-450	1
Extension module for IP 350 Flat Plotter. Consists of "EC 450" Control Unit and "VC 450" Vacuum Cleaner, including graver 0.3 mm + 0.4 mm		
Technical Data		
1. Engraving spindle		
Speed	min. 5,000 rpm, max. 50,000 rpm	
Torque	6 Ncm	
Frequency	83 - 830 Hz	
Energy consumption	max. 60 W	
Collets	3 mm shaft diameter	
Clamping mechanism	Head clamping	
Run-out with collet	0.03 mm	
Motor type	three-phase, asynchronous, brushless	
Enclosure	Aluminium	
Clamping diameter	25 mm	
Ball bearing type	permanent lubrication, double	
Cooling	Internal air via integrated fan	
Application	Engraving only	
Guaranteed bearing operation	min. 1,000 hrs if handled properly	
Notice: Never clean engraving spindle using compressed air, do not use lubricants when engraving.		
2. VEB 500 Control Unit		
Operating voltage	100 V ... 240 V AC / 50 Hz ... 60 Hz	
3. VC Vacuum Cleaner		
Vacuum cleaner bag	Type Y98	
General Specifications		
Dimensions (mm) W x H x L	Control unit + vacuum cleaner (an top of each other): 240 x 290 x 315	
Weight	Engraving spindle + control unit + vacuum cleaner + accessories: 8,000 g	

Flatbed Plotter

IP200



- Rugged, aluminum construction
- Plotting area, A4: 220 mm x 305 mm
- Easy replacement of marker receptacles
- Auto calibration
- Up to 10.5 mm wide markers can be plotted
- Special solutions for up to 15 mm wide markers are available
- Universal power supply, 100-240 VAC
- Neat plotting right from the very first marker
- PC interfaces: USB ports
- Command language: HPGL
- IP200 firmware can be updated via PC and Internet

Description	Item No.	Pack. Unit	Technical Data																																						
IP200 Flatbed Plotter	258-200	1	<table border="1"> <tr> <td>Plotting area</td> <td>200 mm x 305 mm</td> </tr> <tr> <td>Interfaces</td> <td>USB Level 1.1</td> </tr> <tr> <td>Language</td> <td>Based on HP-GL 7475A</td> </tr> <tr> <td>Data buffer</td> <td>16 MB</td> </tr> <tr> <td>Speed</td> <td>max. 40 mm/s</td> </tr> <tr> <td>Drive system</td> <td>Two-phase step motor</td> </tr> <tr> <td>Plotter pen</td> <td>Special plotter pens with HP receptacle</td> </tr> <tr> <td>Addressable resolution</td> <td>0.01 mm</td> </tr> <tr> <td>Repeat accuracy</td> <td>0.05 mm</td> </tr> <tr> <td>Repeat accuracy after pen change</td> <td>0.05 mm with optimun pen</td> </tr> <tr> <td>Power supply</td> <td>Separate power supply with exchangeable plug adapters</td> </tr> <tr> <td>Operating voltage</td> <td>100 V ... 240 V AC / 50 Hz ... 60 Hz</td> </tr> <tr> <td>Current consumption (internal)</td> <td>0.7 A max. at 220 V AC</td> </tr> <tr> <td>Dimensions (mm) W x H x L</td> <td>125 x 440 x 440</td> </tr> <tr> <td>Operating temperature</td> <td>10 °C ... 35 °C</td> </tr> <tr> <td>Rel. humidity</td> <td>35 % ... 75 %</td> </tr> <tr> <td>Safety approvals</td> <td>EN 60950-1</td> </tr> <tr> <td>Immunity to interference</td> <td>EN 55022 B</td> </tr> <tr> <td>Included:</td> <td>IP200 Plotter, power supply, USB data cable, operating manual + ProServe software</td> </tr> </table>	Plotting area	200 mm x 305 mm	Interfaces	USB Level 1.1	Language	Based on HP-GL 7475A	Data buffer	16 MB	Speed	max. 40 mm/s	Drive system	Two-phase step motor	Plotter pen	Special plotter pens with HP receptacle	Addressable resolution	0.01 mm	Repeat accuracy	0.05 mm	Repeat accuracy after pen change	0.05 mm with optimun pen	Power supply	Separate power supply with exchangeable plug adapters	Operating voltage	100 V ... 240 V AC / 50 Hz ... 60 Hz	Current consumption (internal)	0.7 A max. at 220 V AC	Dimensions (mm) W x H x L	125 x 440 x 440	Operating temperature	10 °C ... 35 °C	Rel. humidity	35 % ... 75 %	Safety approvals	EN 60950-1	Immunity to interference	EN 55022 B	Included:	IP200 Plotter, power supply, USB data cable, operating manual + ProServe software
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WAGO plotter pen
(disposable)
0.18 mm line width



WAGO plotter pen
(disposable)
0.25 mm line width



WAGO plotter pen
(disposable)
0.35 mm line width



Service kit



Graver set



Description		Item No.
WAGO plotter pen	0.18 mm line width	258-226
	0.25 mm line width	258-227
	0.35 mm line width	258-228
	0.50 mm line width	258-229
WAGO ink cartridges	black, for permanent marking, not refillable (5 x 1 ml)	258-141
WAGO plotter pen (disposable)	0.18 mm line width	258-326
	0.25 mm line width	258-327
	0.35 mm line width	258-328
	0.50 mm line width	258-329
Cover		258-146
Service kit	(4 spare pen stations)	258-147
WAGO cleaning set	suitable for cleaning all EKS Pens	258-139
WAGO pen cleaner		258-140
Calibration aid		258-453
Graver set	0.2/0.3/0.4/0.5/0.7/1.0 mm line width	258-452
Graver	0.2 mm graver width	258-452/000-002
	0.3 mm graver width	258-452/000-003
	0.4 mm graver width	258-452/000-004
	0.5 mm graver width	258-452/000-005
	0.7 mm graver width	258-452/000-007
	1.0 mm graver width	258-452/000-010
Vacuum cleaner bag for Engraver EG 450		258-457
Graver (stainless steel)	0.2 mm graver width	258-458/000-002
	0.4 mm graver width	258-458/000-004
WAGO plotter pen (disposable, black)	0.18 mm line width, for inside marking only	258-426
	0.25 mm line width, for inside marking only	258-427
	0.35 mm line width, for inside marking only	258-428
	0.50 mm line width, for inside marking only	258-429
WAGO plotter pen (disposable, red)	0.18 mm line width, for inside marking only	258-426/000-005
	0.25 mm line width, for inside marking only	258-427/000-005
	0.35 mm line width, for inside marking only	258-428/000-005
	0.50 mm line width, for inside marking only	258-429/000-005

WAGO plotter pens are suitable for any kind of smooth surfaces. No additional adapter is required.

Marker card carrier plates for plotter IP 350



Description		Item No.
Carrier plates for marker cards	WSB 5 mm/0.197 in (209-501)	258-361
	WSB 4 mm/0.157 in (209-701)	258-362
	Miniature WSB (248-501)	258-363
	WCB (249-200)	258-366
	WMB 5/5.2 mm (793-5501); WMB 4/4.2 mm (793-4501)	258-368
	T-marking strips (209-290)	258-365
	Marker strips (2009-110 + 2009-130 and 790-...)	258-410
	WTB (799-501)	258-367
	Group marking carriers (209-112)	258-364
	Marker tags (209-199 + 209-200)	258-369
Carrier plates for murrplastik	MP-400; KS 4/12, 4/18, 4/23, 4/30	258-370
	MP-401; KES, KLG, KMR, KPX, KS 15x17/27/49/67, KSA, KSF, KSI, KSK, KSO, KSS, KTE, KWI, SKS, WGO, KAB	258-371
	BS 5/6	258-397
	KSEX; 10/500	258-470
	KPX	258-396
	KSEX; 18/500	258-471
Universal engraver and plotter carrier plates	90 mm x 100 mm x 3	258-454
	60 mm x 100 mm x 4	258-455
	30 mm x 100 mm x 9	258-456
Carrier plates for Phoenix	ZBM	258-372
	ZB	258-373
	ZBN	258-374
	ZBFM	258-375
	BNZ	258-377
	BN-ZB	258-378
	SS-ZB	258-379
	LBHZ	258-380
	PAB	258-381
GPE	258-382	
Universal engraver and plotter carrier plates	DIN A4	258-383
	DIN A3	258-472
Carrier plates for Weidmüller	MC Universal	258-387
	MC SF4-6	258-388
Carrier plates for Wörtz/Allen Bradley	Universal	258-389
Carrier plates for Möller	XB M22-XST	258-390
Carrier plates for Partex	PA+1	258-391
	PA+2	258-392
Carrier plates for ABB Entrellec	Universal	258-394
	Siemens SPS	258-473
Carrier plates for Conta-Clip	Universal	258-398
	PK2 PVC	258-393
	PA+ 2	258-399