

## Desktop Workstation Extension (WSD 50)

### Features

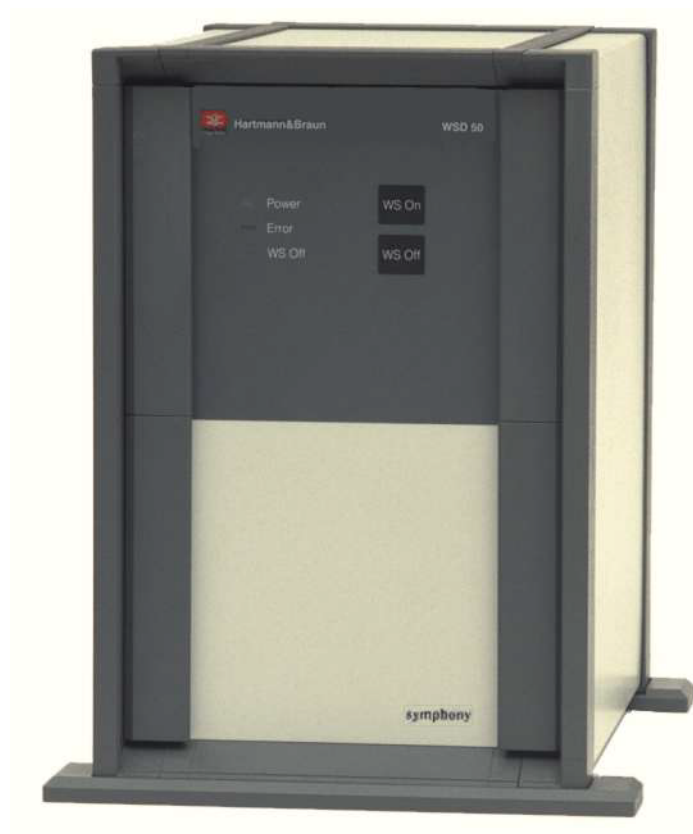


Illustration not binding

- Desktop casings with 6 HU plug-in slots and VMEbus compatible supply voltage
- Modules for:
  - Power management and power supply filter
  - START / SHUTDOWN of the connected workstation via a pushbutton
  - Freely useable I/O connections
  - Galvanic isolation
  - Temperature monitoring
- Testing routines for self-monitoring
- fan-free operation

## Application

- Extension unit for the Maestro UX process control system to make Desktop Workstations (WSD) suitable for industrial use.

## Description

The WSD 50 desktop workstation extension is equipped with modules which provide the following functions for the integration of a **Desktop Workstation (WSD)** in the Maestro UX process control system.

- Power management together with the **Uninterruptable power supply (e. g. UPS 12)** for:

- Buffering power supply < 10 sec.
- SHUTDOWN in case of power supply interruption  $\geq 10$  sec
- Switching off the UPS after the SHUTDOWN has been completed
- Processing of alarms and status messages from the UPS

- Manual START / SHUTDOWN of the connected desktop workstation by:

- Pressing a key on the front panel
- External control signals

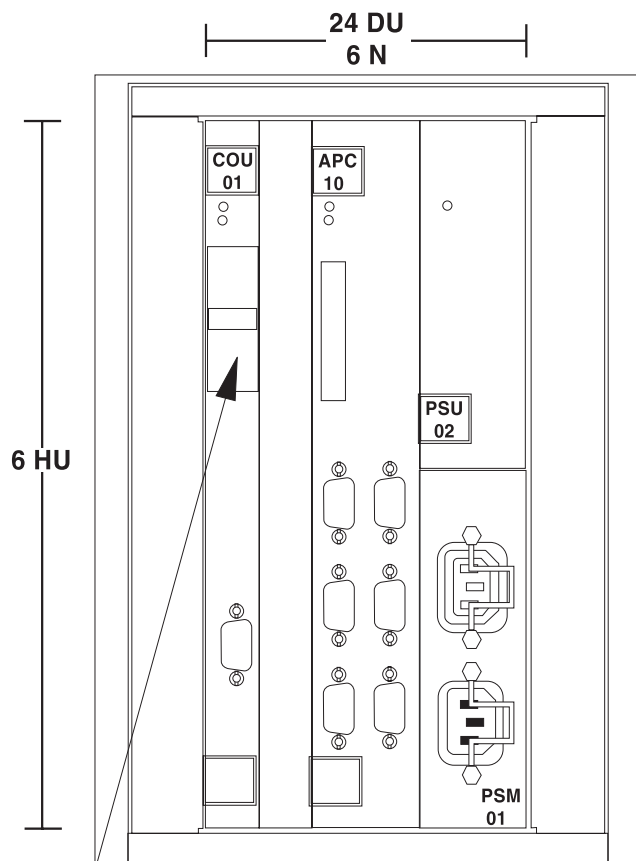
- Filter against interference carried by the power supply
- Freely useable I/O connections, e.g. for horn control
- Galvanic isolation of the HP Term connection.
- Monitoring the internal temperature

Comprehensive testing routines and self-monitoring systems to ensure correct functioning have been integrated in the desktop workstation extension.

The desktop workstation extension is environmentally compatible and has been designed for fan-free and continuous operation.



# Assembly



Slots in the RMU 10 magazine:

Magazine 6HU	4 N
Magazine 3HU	2 x 2 N (half height)

Slot requirements for the 6HU plug-in modules

COU 01	Station monitoring	1N
APC 10	Connection module	2N

Slot requirements for the 3HU plug-in modules

PSU 02	Power supply AC/DC	2N
PSM 01	Power supply connection module	2N

**Caution!**

**Danger of explosion if the Battery is replaced incorrectly.  
 Replace using only a similar type that has been recommended by the manufacturer.  
 Dispose of used batteries in accordance with the manufacturer's instructions.**

## Technical data

<b>Model</b>	<b>WSD 50</b>			
<b>Module 6HE</b>				
<b>COU 01 Station monitoring</b>	CPU Type	SAB 80C166 / 40 MHz		
	Operating system	Real-time multi-tasking RTX-166		
	Real-time clock	RTC 72423 (battery buffered)		
	Memory	64 kByte RAM, 128 kByte flash EEPROM		
	Service connection	RS 232 / 19200 Bd (9 pole D-Sub male multipoint connector)		
<b>APC 10 Connection module</b>	UPS communication	NOVELL / Binary signal (9 pole D-Sub female multipoint connector)		
	WSD communication HP Term In/Out V24-UPS	RS 232 / 110..19200 Bd (9 pole D-Sub male multipoint connector)		
	Remote control	Binary in/outputs (9 pole D-Sub female multipoint connector)		
	Sensors (Binary)	1 x Binary input signal level $\leq 24\text{VDC}$ (2 connecting terminals 1,5 <sup>2</sup> )		
	Actuators (Binary)	2 x Binary outputs signal level $\leq 24\text{VDC}$ (4 connecting terminals 1,5 <sup>2</sup> )		
	Actuators (Analog)	1 x Analog output signal level 0..10V (2 connecting terminals 1,5 <sup>2</sup> )		
<b>VMEBus module 3HE</b>				
<b>PSU 02 Power supply AC/DC</b>	Primary	UE 115-230 VAC 50..60 Hz		
	Secondary	$U_{A1} (5\text{ V})=8\text{ A}$ / $U_{A2} (+12\text{ V})=2\text{ A}$ / $U_{A3} (-12\text{ V})=2\text{ A}$ $P_{\text{Total}} \leq 60\text{ W}$		
<b>PSM 01 Power supply module</b>	Power supply marshalling	115-230 V » 50..60 Hz / protection 4 A slow / with power supply filter		
	Connection input	Male connector in accordance with DIN 49457 T1		
	Connection output	Female connector in accordance with DIN 49457 T1		
<b>Operation</b>	2 Membrane push button and 3 LEDs			
<b>Dimensions</b>		<b>WSD 50 without foot</b>	<b>WSD 50 with foot</b>	<b>WSD 50 - 19 "</b>
	Width	approx. 206 mm	approx. 240 mm	42 TE (213,4 mm)
	Height	approx. 296 mm	approx. 304 mm	6 HE (266,7 mm)
	Depth	approx. 280 mm	approx. 294 mm	-----
<b>Net weight</b>	5 kg			
<b>Color</b>	RAL 7035			
	RAL 7043			
<b>Voltage supply</b>	Nominal voltage	115/230 VAC 50..60 Hz		
	Power consumption	20 W		
	Current consumption	0.5 A		
	Connection	Input of the PSM 01		

For allowed environmental conditions and physical data see Data sheet 72-0.11 "**Standard data**" for application class A.

## Order details

Order number								Description	Delivery time
<b>Desktop Workstation Extension (WSD 50)</b>									
72382-0-	0	3	3	9	4	4	8	Desktop casing fitted with bus modules, incl. 1 power supply cable (230V) AC 451, 2 Supply cables (230V) AC 453, 2 RS 232 data cables AC 324, and 1 NOVELL data cable AC 330.	

Order number								Description	Delivery time
<b>Desktop Workstation Extension (WSD 50 - 19 ")</b>									
72383-0-	0	_	0	0	0	0	0		
72383-0-	0	x	0	0	0	0	0	19" plug-in module fitted with bus modules, incl. 1 power supply cable (230V) AC 452, 2 Supply cables (230V) AC 453, 2 RS 232 data cables AC 324 and 1 NOVELL data cable AC 330.	
								<b>Assembly materials</b>	
		0						none	
		1						with 19" rack 6 HU for installing one plug-in module (left equipped)	
		2						with 19" rack 6 Hu for installing one plug-in module (right equipped)	
		3						with 19" rack 6 HU for installing two plug-in modules	

Order number								Description	Delivery time
<b>Desktop Workstation Extension (WSD 50)</b>									
72386-0-	0	3	3	9	5	6	6	<b>AP040</b> battery unit for COU 01	



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