

## Diagnostic Software



Computer-assisted measurement using existing hardware

Intuitive user interface for simple, easy operation

Improved assistance from Bihl+Wiedemann's technical support

For helping machine and systems builders and end users with their diagnostics and fault correction

Saves time and cost by preventing errors and speeding up fault elimination



Article no. BW2902	
<b>General data</b>	
Name	software for diagnostics, service and release measurements
Application	<ul style="list-style-type: none"> <li>approval measurement and prophylactic troubleshooting in machine and systems building</li> <li>preventive maintenance, fast and independent fault elimination by the end user</li> <li>supportive measuring data for targeted assistance from Bihl+Wiedemann's Technical Support</li> </ul>
Function description	<ul style="list-style-type: none"> <li>software analyzes the system and provides the user with instructions for fault elimination</li> <li>optional sending of the analysis data to Bihl+Wiedemann's Technical Support, to be used for fast and reliable assistance in handling issues</li> </ul>
<b>Features</b>	
Expanded diagnostics for ASi Master	<ul style="list-style-type: none"> <li>hardware diagnostics               <ul style="list-style-type: none"> <li>serial number, software-IDs, ...</li> <li>all device-specific parameters</li> </ul> </li> <li>ASi diagnostics <sup>(1)</sup> <ul style="list-style-type: none"> <li>earth fault, duplicate address and interference voltage detection</li> <li>measurement of the ASi voltage</li> <li>measurement of the ASi currents</li> <li>error counter</li> <li>access to the error history stored in the Master</li> </ul> </li> <li>safety diagnostics<sup>1</sup> <ul style="list-style-type: none"> <li>safety Status</li> <li>display of test conditions</li> <li>display of safety errors such as "Error in contactor feedback", etc. ...</li> <li>instructions and recommendations</li> </ul> </li> </ul>
Spontaneous diagnostics	serious errors (duplicate address, earth fault, etc.) result immediately in a targeted diagnosis
Cyclical measurements	<ul style="list-style-type: none"> <li>30 minutes of measurement per Master (adjustable)               <ul style="list-style-type: none"> <li>statistically valuable results with time reference</li> <li>continuous display of measurement results</li> <li>evaluation of multiple errors occurring at the same time</li> </ul> </li> <li>automatic logging after the measurement               <ul style="list-style-type: none"> <li>based on the log of the ASi Analyser</li> <li>user description of the system and components is possible</li> </ul> </li> <li>send the measurement data as a file               <ul style="list-style-type: none"> <li>measurements can be sent to Bihl+Wiedemann if desired</li> </ul> </li> </ul>
Update function	automatic software update via internet is optional
Simple device and system handling	<ul style="list-style-type: none"> <li>high equipment availability even for employees with little ASi experience</li> <li>integrated analysis strategy with instructions when problems occur</li> </ul>
PC-assisted measuring method	<ul style="list-style-type: none"> <li>graphic diagnostics interface</li> <li>documentation and results backup</li> </ul>

# Diagnostic Software



No additional measuring technology needed	<ul style="list-style-type: none"> <li>• uses existing Bihl+Wiedemann ASi masters as data sources</li> <li>• Bihl+Wiedemann ASi Masters already have comprehensive, highly precise measuring technology onboard</li> <li>• avoids any possible measurement error</li> <li>• flexible usage without depending on delivery times</li> </ul>
<b>Installation</b>	
Technical requirements	Bihl+Wiedemann Standard ASi Master/Gateway in stainless steel / ASi Master OEM-Module / Safety Basis Monitor / Safety ASi Master/Gateway with integrated safety monitor <ul style="list-style-type: none"> <li>• with Ethernet diagnostics interface</li> <li>• with serial diagnostics interface (RS 232)</li> <li>• with USB interface</li> <li>• as Rockwell-Master</li> </ul>
	appropriate adapter cable for ASi Master – PC
Included in scope of delivery	ASi Control Tools
Installation options	standard installation (single-user-license) or virtual machine (floating license) <ul style="list-style-type: none"> <li>• as stand-alone tool</li> <li>• installation any time and from anywhere over the internet</li> <li>• suitable for fast on-site use, e.g. at the machine</li> </ul>
Software version	<ul style="list-style-type: none"> <li>• auto-Update function</li> <li>• current version can be checked using the menu entry “Info”</li> </ul>
<b>System requirements</b>	
Software requirements	<ul style="list-style-type: none"> <li>• Windows Vista / Windows 7 / Windows 8 / Windows 10</li> <li>• 32-bit and 64-bit systems</li> </ul>
	Windows .NET Framework 4.0
	PDF-Reader for viewing the logs
Hardware requirements	500 MB available hard disk space <ul style="list-style-type: none"> <li>• screen resolution: 1024 x 768 (minimum), 1280 x 768 (recommended)</li> </ul>
Supported interfaces	serial interface (RS232) <ul style="list-style-type: none"> <li>• USB</li> <li>• Ethernet</li> </ul>
<b>Documentation</b>	
Documentation	software manuals

(1) If supported by the device.

## Accessories

- **BW1575: Serial cable for ASi Gateways and ASi Monitors in stainless steel**
- **BW1417: Serial cable for Allen-Bradley ASi Master**
- **BW2530: USB cable for Safety Basic Monitor**



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