IMPULSE®
DRIVE
DIAGNOSTICS
TOOLS

OmniPulse® DDC
Series 2
DC MOTOR CONTROL

MagnePulse™ DMC
Series 2
DIGITAL MAGNET CONTROL

MagnePulse™ DMC
Digital Magnet Control
ELECTROMOTIVE SYSTEMS

OmniPulse™
DSD Digital Controls

IMPULSE•G+
Mini

IMPULSE•G+
Series 4

IMPULSE•VG+
Series 4

MAGNETEK

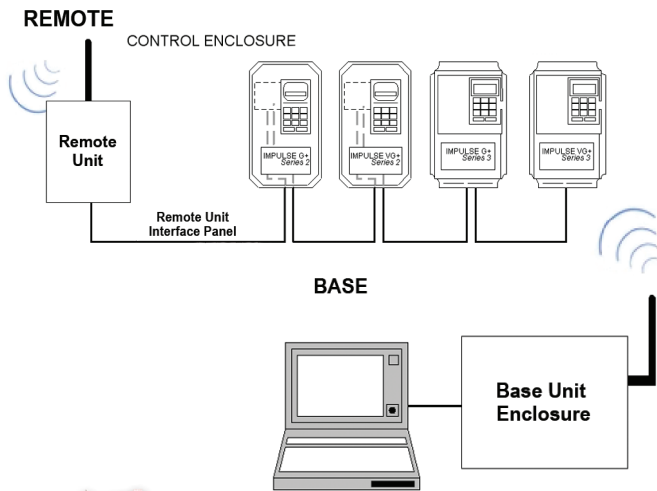# IMPULSE®

IMPULSE® •Link 5

Efficiently program, monitor, and troubleshoot multiple drives with Magnetek® brand Drive Diagnostics Tools. Easily access run, alarm, and fault histories, drive parameters, and drive trending data. Utilizing these intelligent diagnostic features means you are getting the maximum performance from Magnetek's industry-leading AC and DC drives.

- • **Monitor drive parameters and status**
- • **View data and analytics**
- • **Compare drive parameters**
- • **Troubleshoot from offsite locations**
- • **Reset faults remotely**

IMPULSE•Link 5 is a Windows-based interactive drive software that assists you with setup, maintenance, and monitoring of multiple AC and DC drives. IMPULSE•Link 5 bridges the gap between your facility's drives and wired or wireless network.

Advanced diagnostics provide critical information to keep your system functioning effectively. Whether you have a single crane or multiple cranes in difficult-to-reach locations, IMPULSE·Link 5 offers easy access for monitoring and diagnostics. System feedback allows maintenance to be planned to minimize downtime and maximize the efficiency of your Magnetek brand drives. Plus, diagnostic information delivery is 50% faster than with previously available tools, providing you with actionable information quickly.

Two versions of the IMPULSE•Link 5 software are available. IMPULSE•Link 5 Professional enables a comprehensive set of interactive features with direct connection to system drives. The free Viewer version offers basic features such as viewing parameter, trend, and event files, and connecting with the DataLogger Series 4.
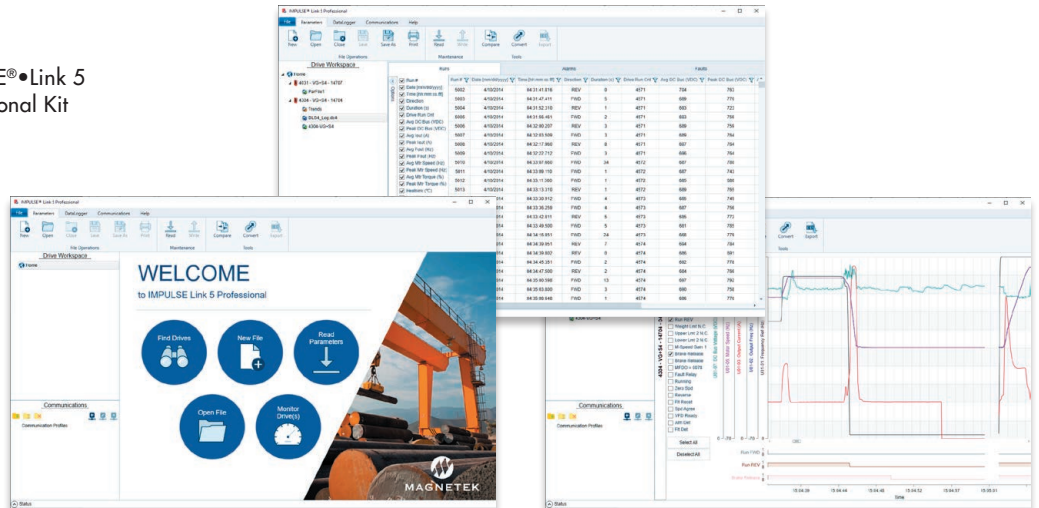

REMOTE

CONTROL ENCLOSURE

Remote Unit

IMPULSE G+ Series 2

IMPULSE VG+ Series 2

IMPULSE G+ Series 3

IMPULSE VG+ Series 3

Remote Unit Interface Panel

BASE

Base Unit Enclosure

IMPULSE®•Link 5 Professional Kit

IMPULSE•LINK 5 SUPPORTS THE FOLLOWING MAGNETEK BRAND DRIVES:

IMPULSE®•G+ Series 3	**OmniPulse™ DDC Series 1**
IMPULSE®•G+ Series 4	**OmniPulse™ DDC Series 2**
IMPULSE®•VG+ Series 3	**OmniPulse™ DSD**
IMPULSE®•VG+ Series 4	**MagnePulse™ DMC Series 1**
IMPULSE®•G+ Mini	**MagnePulse™ DMC Series 2**
IMPULSE®•D+ HHP	

IMPULSE®•LINK 5 PROFESSIONAL

Connecting you directly to Magnetek brand drives, IMPULSE·Link 5 Professional makes remote troubleshooting quick and easy. No need to diagnose and reset a fault from the crane itself. IMPULSE·Link 5 Professional offers the same functionality as Viewer, plus additional advanced features that can be unlocked with a USB software key. It's the one-to-one link between your PC and your drives for improved safety and performance.

- Automatic drive discovery via wireless industrial communications (such as Ethernet) and hardwired serial COM ports
- Reset faults remotely
- Read and write drive parameters
- Online software updater
- Modify parameter settings and create new parameter files
- View and print detailed or compact drive parameters
- Monitor real-time run status, alarms, and faults on multiple drives simultaneously

Retaining communication profiles of each discovered drive, IMPULSE·Link 5 Professional allows you to read and write to drives immediately after drive detection. Professional also uses the same plug-ins as previous software versions, retaining a similar easy-to-use interface and display.

IMPULSE®•LINK 5 VIEWER

The free IMPULSE·Link 5 Viewer software interfaces with our DataLogger Series 4 (DLS4) keypad and is available for download from our website to get your system up and running quickly. Through a USB connection from a DLS4 to a host computer, users can easily:

- View stored drive parameters
- See run, alarm, and fault history
- View recorded trend data
- Open IMPULSE·Link 4.1 and IMPULSE·Link 5 .par and .parx parameter files

WIRELESS DIAGNOSTIC SYSTEM (WDS) HARDWARE OPTION

The optional Wireless Diagnostic System (WDS) hardware is available to connect to and monitor drives wirelessly. WDS enables connection of up to 31 drives to a single remote unit. Multiple remote units can connect to a single base unit.

SYSTEM INCLUDES:

Wireless Base Unit: Wired to local or facility network

Wireless Remote Unit (AC or DC Input Options): Wired to drives on the crane

DataLogger Series 4

DRIVE SUPPORT TOOL

The DataLogger Series 4 (DLS4) allows you to easily access the run, alarm, and fault histories, drive parameters, and drive trending data of IMPULSE®·Series 4, Series 3, and G+ Mini Variable Frequency Drives. This compact, user-friendly device simply plugs in to the keypad pocket of the IMPULSE®·G+/VG+ Series 4 drives or connected by cable to Series 3 or G+ Mini drives. All data acquisition is automatic. Data viewing and analysis is available via the LCD scrolling display or by connecting the DLS4 to your PC and viewing with the IMPULSE®·Link 5 software.

The drive trending feature simplifies troubleshooting faults and alarms by allowing you to see how drive monitors interact at the same time. DLS4 also retains the functionality of a drive keypad so users can configure drives without switching between two devices to log or modify parameters.

RECORDS IMPORTANT DRIVE DIAGNOSTICS

- More memory to log:
  - Last 5000 Run events
  - Last 400 Alarm events
  - Last 400 Fault events
  - Over 900 MB of trend history
- DataLogger stores:
  - Alarm and Fault history
  - Trace information for viewing drive data that led to the Alarm/Fault condition
  - 11 parameter sets that can be uploaded, stored, and downloaded into drives of the same model, control method, firmware version, and motion
- The DataLogger is powered by the drive's 5 VDC internal supply when logging data, or through the USB port when connected to the PC

DATALOGGER SYSTEMS INCLUDE:

DataLogger Series 4

USB Cable for PC Communication

IMPULSE•Link 5 Viewer PC Software

Serial Cable for DataLogger Drive Connection

FEATURES	IMPULSE®•LINK 5 Viewer View DataLogger Parameter Files	IMPULSE®•LINK 5 Professional Interactive Drive Software Package	DataLogger Series 4 Drive Support Tool
Open parameter, trend, and event files	●	●	●
Save parameter, trend, and event files	●	●	●
Print parameter, trend, and events	●	●	
Online software upgrades	●	●	●
Online DataLogger Series 4 upgrades	●	●	●
Create new parameter files		●	
Read parameters from drive		●	●
Write parameters to drive		●	●
Compare parameter files	●	●	
Monitor drives		●	●
Log event and trend files		●	●
Convert parameter file drive firmware versions		●	
USB, RS-232, and RS-485 Compatible		●	●
Drive Discovery — Wireless		●	
Drive Discovery — Industrial Communication		●	
Drive Discovery — COM Port		●	
SI-EN3 (Ethernet IP) Compatible		●	
SI-EM3 (Modbus TCP/IP) Compatible		●	
SI-EP3 (PROFINet) Compatible		●	

MAGNETEK | a member of **COLUMBUS McKINNON** CORPORATION

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MH2164_Drive Diagnostics Brochure
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