mobiLink Power

Power supplying mobile interface for HART, FOUNDATION fieldbus, PROFIBUS PA

- Single interface for the major Process Automation protocols
  - HART Master, Foundation Fieldbus Host and PROFIBUS PA Master included in one device
  - Parametrization and configuration of field devices
  - Diagnostics and condition monitoring

- Provides the power supply for the field devices
  - Eliminates the need for an additional power supply and power conditioner for workbench applications

- Support of FDI, FDT frame applications and major engineering tools
  - Compatible with Emersons instrument inspector with the FDI communication server
  - PACTware FDT frame application and HART communication DTM included
  - Communication DTM for Foundation Fieldbus and PROFIBUS PA (optional)
  - Foundation Fieldbus configuration tool (optional)
  - Application Program Interface for integration into engineering systems

- Unlimited flexibility in use
  - mobilink Power draws power from the connected computer via USB
mobiLink Power

Technical Data

Supported Applications
- Endress + Hauser FieldCare for HART, PROFIBUS PA and FF devices;
- Pactware for HART, PROFIBUS PA and FF devices;
- ProComSol DevCom for HART and FF devices;
- Emerson AMS Device Configurator for FF devices

Fieldbus Interface (FOUNDATION Fieldbus / PROFIBUS PA)
- Connection: Polarized 4 mm banana type jacks (red / black)
- Physical Layer: According to IEC 61158-2, Type 1: 31.25 Kbit/s, voltage mode
- Nominal input current (Fieldbus): 10 mA (with Ufieldbus > 9.0 V)
- Fieldbus Terminator: 2 Fieldbus Terminators included (switchable by software)
- Input Voltage: +9 ... +32 V
- Fieldbus power Output (switchable by software): 10.5 ... 25.5V, 40mA

HART Interface
- Connection: 4mm banana type jacks (red / black)
- Physical Layer: HART FSK compliant modem
- Switchable HART power supply: 16V @22,5mA internal resistor 300Ohm

USB
- Speed: 4mm banana type jacks (red / black)
- Connector: HART FSK compliant modem
- Electrical properties: 16V @22,5mA internal resistor 300Ohm

Environmental Conditions
- Dimensions (LxWxD): 175 mm x 74 mm x 32 mm
- Weight: 290 g
- Ingress Protection Class: IP54 (with USB covered with cap)
- Operating temperature: -20 °C .. +50 °C
- Drop: 1 m

Scope of Delivery

Hardware
- mobiLink Power, USB cable, fieldbus cable set with clips

Software
- mobiLink Manager, PACTware, Communication DTM for HART, FOUNDATION Fieldbus, PROFIBUS PA, Yokogawa Interface and FDI CommServers (for FOUNDATION Fieldbus and PROFIBUS PA optional license required)
- FOUNDATION Fieldbus Configuration Tool ComConf (optional license required)

Documentation
- User Guide, Quick Start Guide

Order Numbers

DUA-KM-020440
- mobiLink Power for HART applications, including accessories
LRA-KK-021973
- linkPlus FF – License to activate FOUNDATION Fieldbus
LRA-LL-021974
- linkPlus PA – License to activate PROFIBUS PA
LRA-KK-020721
- Licence for FF Configuration Tool ComConf

Additional Products and Services

LRA-MM-020671
- DevCom2000 HART – Windows application for HART device communication
LRA-KK-020673
- DevComFF.Win – Windows application for FF device communication

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