mobiLink

Mobile Commissioning and Maintenance Interface for Field Devices

- Single interface for the major Process Automation protocols:
  HART / FOUNDATION Fieldbus / PROFIBUS PA
- Perfectly suited for handheld host devices due to battery powered Bluetooth operation
- Compatible with FDT Frame Applications
- Approved for use in hazardous areas

Multi protocol operation
- HART Master, FOUNDATION Fieldbus Host and PROFIBUS PA Master included in one device
- Temporary attachment to fieldbus segments or HART loops for individual interaction with field devices
- Fully compliant protocol implementations allow for interference-free access to running plants

Host communication via Bluetooth or USB
- Built-in batteries and Bluetooth communication enable use of handheld host devices like smart phones and tablets
- USB interface for bench host operation

Support of FDT Frame Applications and major Engineering Tools
- 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

Suitable for use in hazardous areas
- IECEx and EX approval for Zone 1
- Suitable for connection to intrinsically safe circuits
- Suited for harsh environment
## Technical Data

### Supported Applications

<table>
<thead>
<tr>
<th>User Interface</th>
<th>Controls</th>
<th>Status LEDs</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Power on/off button, Bluetooth pairing button</td>
<td>FIELDBUS (Fieldbus mode), HART (HART mode), Bluetooth (Pairing/Bluetooth active), Low battery, Power on</td>
</tr>
</tbody>
</table>

### Interfaces and Connectors

| USB | Speed: USB 2.0 Full Speed, Connector: USB Type C |
| Bluetooth | Electrical: Non intrinsically safe. Do not use inside hazardous areas. 5 V, 100 mA. Um = 253 V |
| Fieldbus | Dual Mode (BT Classic and BLE), 2.4 - 2.478 GHz, Output Power: +8 dBm (maximum) |
| HART | Connection: 4 mm banana type jacks (red/black), polarity has to be observed |

### Operation in Hazardous Areas

- **Intrinsic Safety Parameters**
  - EX ia IIB, Ui = 30 V or FISCO field device
  - Isolation: 1500 VDC between USB and Fieldbus, 1500 VDC between USB and HART
  - Ex ib [ia Ga] IIB (HW version 1.00), IIC (HW version 1.01) T4 Ga; Ex ib [ia Da] IIC T100°C Db
  - II 2G Ex ib [ia Ga] IIB (HW version 1.00), IIC (HW version 1.01) T4 Ga; II 2D Ex ib [ia Da] IIIIC T100°C Db
- **Physical Properties**
  - Dimensions (L x W x D): 175 mm x 74 mm x 32 mm
  - Weight: 330 g (incl. Batteries)
  - Batteries: 3 * Alkaline, IEC-LR6, nominal voltage 1.5 V
  - Operating Temperature: -20°C .. +50°C
  - Storage: Store batteries in a dry place at normal room temperature.
  - Relative Humidity: < 95% RH non condensing
  - Protection Class: IP 54 (if USB port covered with cap)

### Certifications

| Ex | ATEX, IECEx, FM, PCEC, KC, EAC, PESO |
| EMC/Radio | CE, FCC, SRRC, ETA, MIC, KC, EAC, TRA |
| ROHS | UAE |

### Scope of Delivery

- **Hardware**
mobiLink, USB cable, fieldbus cable set with clips, 3 * Alkaline IEC-LRC6
- **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

- **DBA-KM-020410**
mobiLink for HART applications, including accessories
- **LRA-KX-021973**
linkPlus FF – License to activate Foundation Fieldbus
- **LRA-LL-021974**
linkPlus PA – License to activate PROFIBUS PA
- **LRA-KX-020721**
Licence for FF Configuration Tool ComConf (linkPlus FF required to be able to use the ComConf Tool)

### Additional Products and Services

- **LRA-MM-020670**
DevComDroid HART – Android application for HART device communication
- **LRA-MM-020671**
DevCom2000 HART – Windows application for HART device communication
- **LRA-KX-020673**
DevComFF.Win – Windows application for FF device communication
- **LRA-MM-020672**
DevCom.iOS HART – iOS application for HART device communication

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