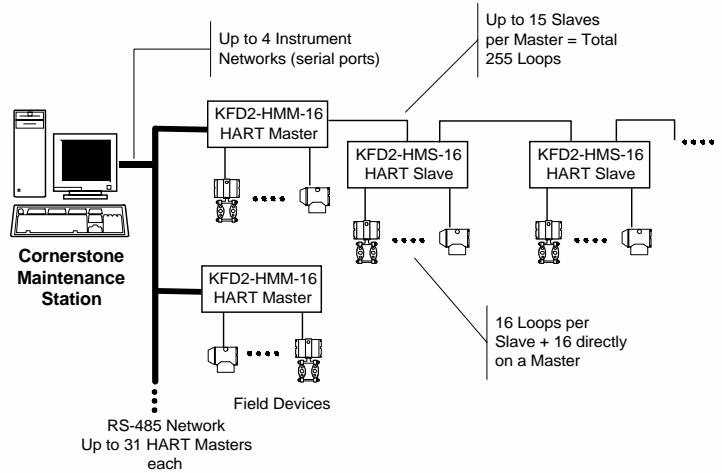




Pepperl + Fuchs ComLib

- ◆ On-line Interface to HART[®] Instruments
- ◆ Remote Configuration & Diagnosis
- ◆ Automated Database Creation



The Cornerstone **HART interchange Communication Library (ComLib)** provides the software connection between a computer running Cornerstone Base Station or Configurator software and networks of HART instruments connected to HART Multiplexers from Pepperl + Fuchs.

Communicate with attached HART instruments, regardless of their location in your facility, even in intrinsically safe locations. Use this system to remotely configure, diagnose, trim, maintain, and document your HART smart instruments.

With the optional Cornerstone Instrument Status Monitor, the P+F ComLib automates plant-wide scanning and status monitoring of all attached HART instruments. Any configuration changes, including those made in the field, are detected and recorded. An "auto-learn" feature searches the network for all attached instruments and automatically creates the Cornerstone instrument database.

Use this management system to achieve dramatic labor savings by eliminating unnecessary trips to the plant floor, and by automating record keeping activities.

Instrument Database:

- ◆ Add instruments upon connection
- ◆ Store recall parameters
- ◆ Access diagnostic information
- ◆ Monitor process variables

With Instrument Status Monitor:

- ◆ "Auto-Learn" all attached devices
- ◆ "Auto-Track" configuration changes

Pepperl + Fuchs ComLib Features

- Supports HART instrument connection, configuration, and status retrieval using Pepperl + Fuchs' HART multiplexer model KFD2-HMM-16
- Assists in detecting and resolving duplicate ID's in the multiplexer network for HART revision 4 instruments
- Assists in detecting and resolving duplicate tags
- If optional Instrument Status Monitor is present, an auto-learn feature automatically obtains memory contents of all attached instruments and creates Cornerstone database entries if not yet present
- Network initialization - restarts each multiplexer on the network
- Compiles a list of the attached instruments and multiplexers without manual data entry
- Configure node (multiplexer) tag, description, and message
- Displays node ID and revision information
- Obtains node status and performance information
- View node operational status and adjust operational parameters
- Enable/disable node operation
- Add/remove instruments from current on-line access list
- Provide HART instrument data read and write access to other Windows application programs via DDE interface

BENEFITS

- **Unified instrument data base speeds installation and commissioning**
- **Remote instrument access reduces operation and maintenance costs**
- **Knowledge of instrument status and digital process variables complements existing control strategies**
- **Structured user interface simplifies management of the instrument network**



Specifications

- Communications: to 38.4 Kbps
- Computer interface: RS-232 port with RS-485 converter
- HART Master mode: Primary or Secondary
- The Pepperl + Fuchs ComLib software is available in three instrument capacities:

	Small	Medium	Large
Instruments:	128	2000	8000
Networks:	4	4	4
Loops/Node	128	255	255

Requirements

- Cornerstone Base Station or Configurator Software
- Microsoft Windows 98, Windows NT, Windows 2000, or Windows XP
- Pepperl + Fuchs model KFD2-HMM-16 HART multiplexers
- For each instrument network, one RS-232 port with RS-485 to RS-232 Converter from list of compatible units

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