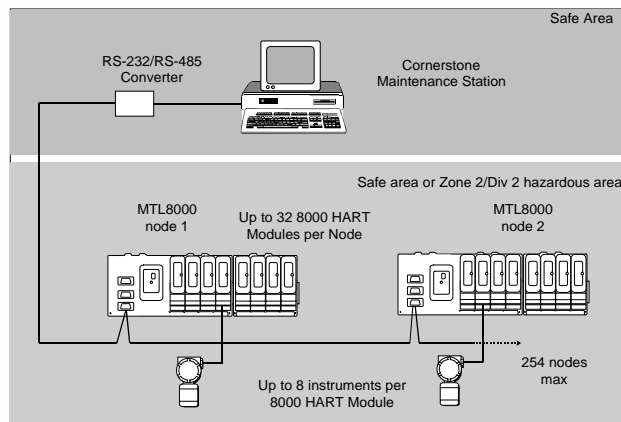




MTL ComLib

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



The Cornerstone **MTL Communication Library** (ComLib) provides the software connection between a computer running Cornerstone Base Station or Cornerstone Configurator software and networks of HART instruments connected to the MTL HART Maintenance System from Measurement Technology Limited (MTL). The supported MTL HART equipment models are the MTL 4840 and the MTL 8000.

Communicate with permanently attached HART instruments, regardless of their location in your facility, even in intrinsically safe locations. Remotely configure, diagnose, trim, maintain, and document your HART smart instrumentation.

Instrument Database:

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

With the optional Cornerstone Instrument Status Monitor, the MTL 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 maintenance system to achieve dramatic labor savings by eliminating unnecessary trips to the plant floor, and by automating record keeping activities.

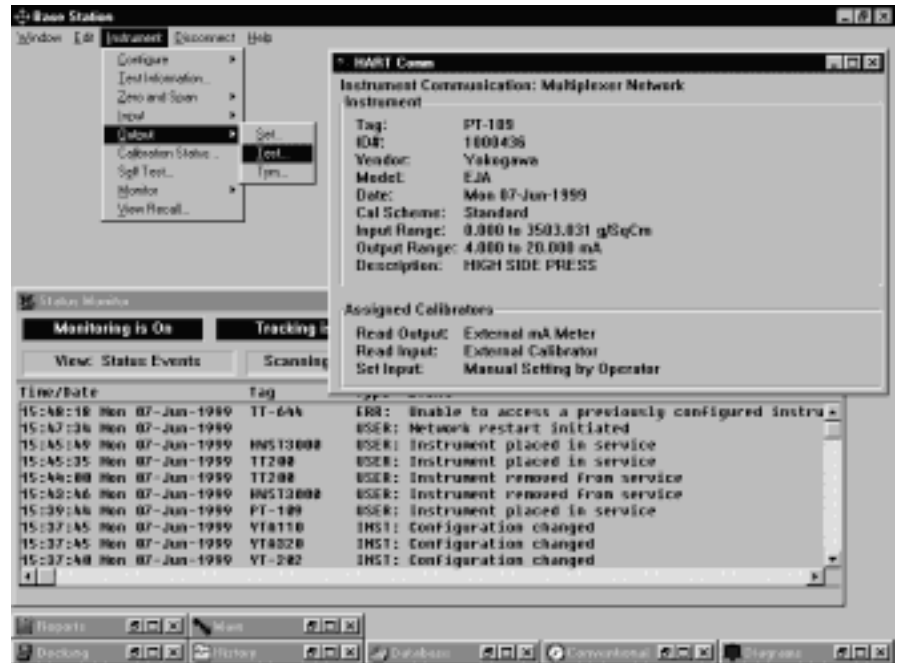
With Instrument Status Monitor:

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

Cornerstone[™]
The Open Platform for Instrument Management

MTL ComLib Functions

- Network initialization - restarts each multiplexer on the network
- Configure node (Comm Module) tag, description, message, communication settings, and scan parameters
- View node status and performance information, and adjust operational parameters
- Enable/disable node operation
- Add/remove instruments from on-line access list



Specifications

- Communications: to 38.4 Kbps
- HART Master mode: Primary or Secondary
- The MTL ComLib software is available in three capacities:

	Small	Medium	Large
Instruments:	128	2000	8000
Networks:	4	4	4

Requirements

- Cornerstone Base Station or Configurator software
- Microsoft Windows 98, Windows NT, Windows 2000, or Windows XP
- MTL 4840 or MTL 8000 HART Maintenance System
- For each instrument network, one RS-232 port with RS-485 to RS-232 Converter from list of compatible units

DDE Access to HART Instrument Data

Using the Cornerstone Extended DDE interface, other Windows applications may retrieve HART Process variables, determine device status, read **and write** HART parameters, and receive notification of changes in HART parameters.

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
- Automated record keeping aids compliance with safety and quality audits

Cornerstone and the Cornerstone logo are trademarks of Applied System Technologies, Inc. The MTL 4840 and MTL 8000 are products of Measurement Technology Ltd. Windows is a trademark of Microsoft Corporation. HART is a registered trademark of the HART Communication Foundation. Specifications subject to change without notice.

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13 May 2005
710-000011-007



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