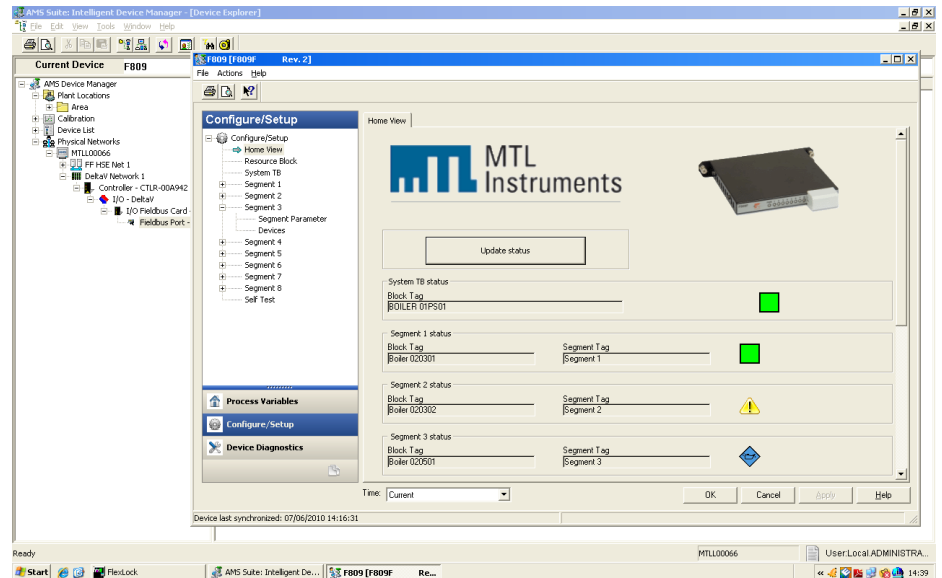# F809F eEDDL

## Diagnostic module enhanced EDDL interface



- Simple user interface with status, instrument technician and advanced user views

- Alarm optimisation wizard

- NAMUR NE107 compliant status display

- Tooltips for any active alarms recommend corrective action

- Free download from MTL website

Support of enhanced Electronic Device Description Language (eEDDL) technology by MTL's on-line diagnostic module - F809F, and the overall fieldbus control system, makes it easy to manage the commissioning and maintenance of fieldbus segments. The F809F enhanced EDDL provides a clearer and simpler display of the status of each fieldbus segment; a more detailed view of the parameters, together with any alerts for the instrument technician; and an advanced user-view with user-selectable configuration options.

Enhanced EDDL technology is used by major manufacturers to describe the information that is accessible in HART, FOUNDATION™ fieldbus and Profibus digital devices. Electronic device descriptions are available for over 15 million devices that are installed currently in the process industry. The technology is employed by the major suppliers of process control systems and maintenance tools to support device diagnostics and calibration.

Enhanced EDDL is the leading international standard for device integration and is defined in the IEC 61804-3 standard. The enhanced EDDL standard was developed to harmonise the handling of device description (DD) files in device management software and handheld communicators. These are the tools that enable technicians to not only set-up and commission field devices, but also to calibrate them and perform diagnostic and troubleshooting as well as other device management tasks.

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To meet end users requirements for clear standardised diagnostic alerts, the F809F enhanced EDDL is designed to comply with the NAMUR NE107 '*Self-Monitoring and Diagnosis of Field Devices*' specification. The NAMUR specification provides four categorises for diagnostic alerts from field devices.

- Maintenance required
- Out of specification
- Check function
- Failure

The specified NAMUR categories are represented by colours and symbols as shown in the diagram below.



The F809F enhanced EDDL interface displays the appropriate NAMUR NE107 symbol for each parameter, and provides a summary of status for the System and 8 Segment Transducer Blocks on the home page. Additionally, a summary of status is displayed on each segment or device page and alerts are indicated with the appropriate NAMUR NE107 symbol.

### Tree View

The tree view shows the system and the segment data. To simplify the user interface only devices that have been connected to a fieldbus segment are included in the segment tree.

### Optimization Wizard

The default alert limits for the F809F are based on the fieldbus specification. The F809F enhanced EDDL provides an alarm optimisation wizard which sets pre-alert limits closer to the actual value. The pre-alerts are categorised as maintenance required and alerts are categorised as out of specification.

### Tool Tips

Hovering the mouse pointer over a parameter reveals tooltips providing further information and for active alarms recommends corrective action to be taken.