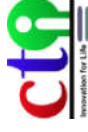
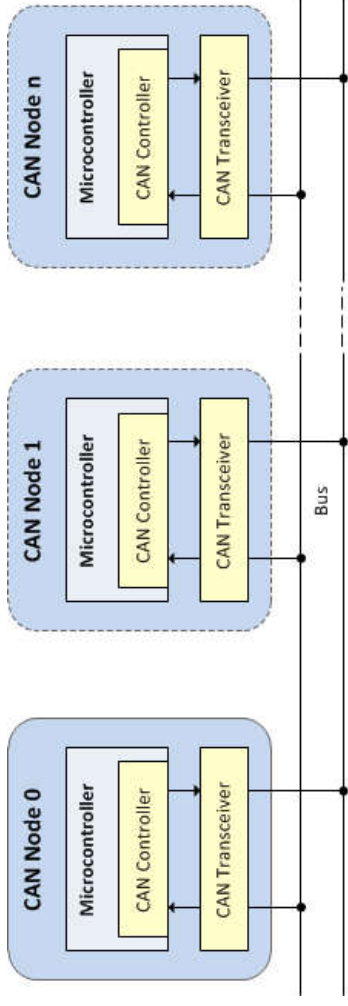


Computer-based Digital Control and Data Acquisition

Chapter 3a – Application of CAN bus in Data Acquisition System – A Project



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Hanoi, Oct. 2017

The Universal Tester for Hydraulic Engine MH-100



The Universal Tester for Hydraulic Engine MH-100



Upgrading Requirements

- Replaces with Local Digital Display
- Sensors:
 - Pressure: x4
 - Rotation: x1
 - Temperature: x1
 - Flow: x2
- Shows results on PC display
- Stores and prints out measured results

Implementation Sequence

- System Configuration
- Hardware Design
 - Instrumentation Selection
 - Schematic Design
 - PCB Design
- Software Design
 - MCU Programming
 - PC Software Programming
- Commissioning and Test