



AutomatedConcepts^{inc.}

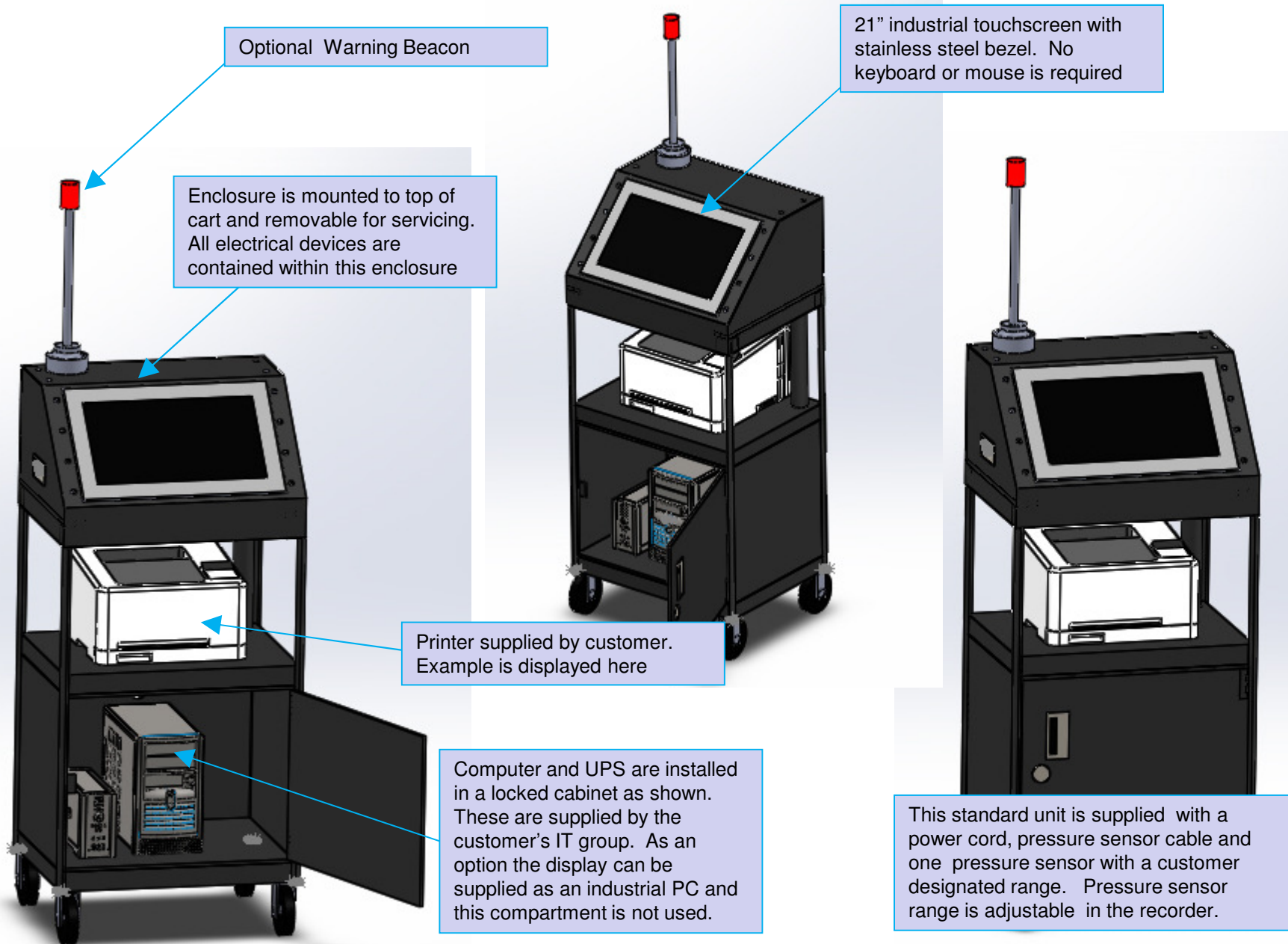
The Total Automation Solution

Digital Chart Recorder System

Version 2

System Arrangement and Capability

System Arrangement



Testing Console

FMC Technologies - Pressure Test Cell Controls

File View Alarm Security Tools Window Help

FMC Technologies

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Step 1 - Press Start When Ready

Start

Step 2 - Calibrating Transducers

Step 4 - Pump Up

System Idle

Pressure (psi): 0 Shutdown At (psi): 0

Setpoint (psi): 0

Status: Pump Up System Idle

Step 5 - Stabilization

System Idle

Rate of Change (%/hr): 0.00

Status: Pump Up System Idle

Step 6 - Pressure Hold

Hold Time Remaining: 0.00

Start Pressure: 0.00

End Pressure: 0.00 % Loss: 0.00

Delta P: 0.00 Pass/Fail: 0

Step 7 - Abort Test

Abort Test

Step 8 - Test Completed

Step 9 - System Resetting

STOP

Current Pressure (PSI) 0

Remaining Hold Time 0.00

System Status: Waiting for Test Settings

Setting Instructions: Enter Test/Assy Technician

Technician:

Revision:

Section:

Serial #:

PT SN:

Procedure:

Test:

Work Order:

Project:

Gage SN:

Test Type:

Test Pressure (psi)

Test Pressure Offset (psi)

Hold Period (minutes)

Allowed Pressure Drop (%/hr)

Log Rate (min)

Note:

Sensor Select

Pressure 1

Test Requirements for Current TST Step (see TST requirements)

Maximum pressure loss per hour (psii/hr)

Maximum percent pressure loss per hour (%/hr)

Testing Modes (Pump Up)

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Step 1 - Press Start When Ready

Step 2 - Calibrating Transducers

Step 4 - Pump Up
Pressure (psi): 619 Shutdown At (psi): 15,750
Setpoint (psi): 15,010
Status: Pump Up to Test Pressure

Step 5 - Stabilization
Rate of Change (%/hr):
Status: Pump Up to T

Step 6 - Pressure
Hold Time Remaining:
Start Pressure:
End Pressure:
Delta P:

Step 7 - Abort Test

Step 8 - Test Complete

Step 9 - System Ready

Technician:

Part #:

Revision:

Procedure:

Test:

PT SN:

Sensor Select
Pressure 1

Step 1 - Press Start When Ready

Step 2 - Calibrating Transducers

Step 4 - Pump Up
Pressure (psi): 15,048 Shutdown At (psi): 15,750
Setpoint (psi): 15,010
Status: Within 3% of Test Pressure

Step 5 - Stabilization
Rate of Change (%/hr): 0.00
Status: Within 3% of Test Pressure

Test Requirement:
Maximum pressure loss

Technician:

Hold Period (minutes):

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Step 1 - Press Start When Ready

Step 2 - Calibrating Transducers

Step 4 - Pump Up
Pressure (psi): 15,489 Shutdown At (psi): 15,750
Setpoint (psi): 15,010
Status: Waiting for Pressure Shut-In

Step 5 - Stabilization
System Idle

Technician:

Part #:

Procedure:

Test:

Work Order:

STOP

Current Pressure (PSI) **619**

Remaining Hold Time **0.00**

System Status: Pumping Up

Color codes assist technicians with status of the pressure test

Testing Modes (Stabilization)

FMC Technology - Pressure Test Cell Controls

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Step 1 - Press Start When Ready

Step 2 - Calibrating Transducers

Step 4 - Pump Up
Pressure (psi): 15,473 Shutdown At (psi): 15,750
Setpoint (psi): 15,010
Status: Pressure at Setpoint and Stabilized
DO NOT PUMP UP DURING STABILIZATION!
Step 5 - Stabilization
Rate of Change (%/hr): 0.00
Status: Pressure at Setpoint and Stabilized

Step 6 - Pressure Hold
Hold Time Remaining: 0.00
Start Pressure: 0.00
End Pressure: 0.00 % Loss: 0.00
Delta P: 0.00 Pass/Fail: 0

Step 7 - Abort Test

Step 8 - Test Completed

Step 9 - System Resetting

Technician:
Part #:
Procedure:
Test:
Work Order:
Project:
Gage SN:
Test Type:


Revision:
Section:
Serial #:
PT SN:

Test Pressure (psi)
Test Pressure Offset (psi)

Note:

Sensor Select
Pressure 1

Hold Period (minutes)
Allowed Pressure Drop (%/hr)
Log Rate (min)

 Current Pressure (PSI) Remaining Hold Time
15,473 **0.00**

System Status: Pumping Up

Color codes assist technicians with status of stabilization. Once stabilization is green the pressure test is ready to begin. Operators can simply use the color codes to control the test.

This system provides advanced logic to determine stabilization and verification that a pressure test will pass once begun. Settings are adjustable based on customer requirements through a password locked screen.

Test Report

