



#50, 805 – 5th Ave SW Calgary, Alberta T2P 0N6 Phone (403) 213-5520 Fax (403) 718-0438

Project Data List Work Orders 09359

May 30, 2015

Project Coordinator : Shannon Fischer

Sales Rep : Brent Warner

Quote Reference: 2007 FINAL

Client: Encana Corporation
c/o Pioneer Engineering Ltd
Suite 220N
Franklin Atrium
3015 – 5 Avenue NE
Calgary, Alberta
T2A 6T8

Commercial Contact: Joe Wu
Email: jwu@pioneerengineering.com
Phone: (403)-453-8820 (Ext 104)

Customer P.O.: PO56396

Technical Contact: Kristy Buller: Victoria DiPaolo
Email: Kristy.Buller@encana.com: Victoria.DiPaolo@encana.com

Test Separator, 3-Phase, Sour Service Separator Package

GENERAL DESCRIPTION

Quantity	Description
3	3-Phase, Sour Service, Separator Package, New <ul style="list-style-type: none">• 36" x 10' 0" 1440-PSI MAWP separator• 4" 600 ANSI RF welded inlet and gas outlet piping• Dressed three phase• Back Pressure Control Valve• Ex Works: Innisfail, Alberta

1.0 VESSEL

1.1 GENERAL DESCRIPTION

Tag #: V-100

- 36" OD x 10' 0" SM/SM
- 3 Phase Vertical design
- 1440-PSIG MAWP
- Sour Service c/w RT-1 (Full) Radiography (Long seam and circ seams full)
- 130°F Design Temperature
- CRN: A.B., B.C., & SASK
- M.D.M.T. -20 F @ 1440 PSIG
- 1/8" C.A.
- Inlet Deflector
- 6" thick x 9 lb³ft Mistex 316SS
- Skirt and baseplate
- Shell and Heads: SA-516-70N
- Flanges: SA-105
- Pipe: SA-106-B

1.2 VESSEL CONNECTIONS

N1	Gas Inlet:	4" NPS 600# RF Flange
N2	Gas Outlet/Inspection:	4" NPS 600# RF Flange (SA-350-LF2)
N3	Drain:	3" NPS 600# RF Flange (Sch/XXH)
N4	Water Outlet:	3" NPS 600# RF Flange
N5	Condensate Out:	2" NPS 600# RF Flange
N6	Bridle:	3" NPS 600# RF Flange
N7	Bridle:	3" NPS 600# RF Flange
N8a/b	Water Gauge Glass:	2" NPS 600# RF Flange
N9a/b	Condensate Gauge Glass:	2" NPS 600# RF Flange
N10	Level Switch High:	4" NPS 600# RF Flange
N11	Level Switch Low:	4" NPS 600# RF Flange
N12	Inspection:	4" NPS 600# RF Flange
N13	Inspection:	4" NPS 600# RF Flange
N14	PSV:	2" NPS 600# RF Flange
N15	Temperature Indicator:	2" NPS 600# RF Flange
N16	Pressure Indicator:	2" NPS 600# RF Flange
N17	LC Condensate (Future):	3" NPS 600# RF Flange c/w Blind
N18	LC Water (Future):	3" NPS 600# RF Flange c/w Blind

2.0 PIPING

Separator is packaged for 3 phase service as follows:

- Inlet - 4" ANSI 600# RF flanged skid edge connection.
- Gas Outlet – 4" ANSI 600# RF flanged welded pipe, Sch 80, tied to Gas Header
- Gas Header – 4" ANSI 600# RF flanged welded pipe, Sch 80
- Water Outlet - 3" ANSI 600# RF flanged welded pipe, Sch 80, reduced to 2" ANSI 600# RF, Sch 160 at Vortex Meter, reinject to Gas Out Line.
- Oil Outlet – 2" ANSI 600# RF flanged welded pipe, Sch 160, reinject to Gas Out Line.
- Drain – 3" ANSI 600# RF flanged welded pipe, Sch XXH, tied to Water Out Line.
- Relief Piping (PSV-103) – 2" ANSI 600# RF flanged weld piping to relief valve inlet, 2" ANSI 150# RF outlet piping to Vent Header.
- PSV-103 Bypass – 1" XXH Socketweld 6000#
- Prover Ports - 2" ANSI 600# RF Sch 160 welded piping to skid edge on Condensate Out Lines only
- Sweet Fuel Gas In – 1" NPT Skid edge connection, 1" NPT threaded pipe, 3000# fittings thereafter

- HP Vent Header – 4” ANSI 150# RF welded piping.
- LP Vent Header – 2” ANSI 150# RF welded piping.
- V-102 - One 4” 600# Level Control Bridle, 4” ANSI 600# RF Sch 160 weld piping and fittings, 1440 psi @ 130 F, 1/8” CA, MDMT: -20 F
- Y strainers and Sight Glass Drains tubed to Drain Line with stainless steel tubing.
- All flanged connections exiting building to be of “low temp” material up to first weld inside building unless otherwise noted.
- All Process Vents shall be vented to 2” ANSI 150# RF Vent Header to outside building.

3.0 INSTRUMENTATION

Tag #	Quantity	Description
BH-100/110	(2)	Building Heater – CCI Thermal Technologies Catadyne 24” x 36” Building Heater 30,000 BTU/Hr 12 Volt DC Start, Natural Gas Fuel supply C/w Safety shut off (SDV-100/110), Appliance Regulator (PCV-100/110), Grill Guard, 30’ start cables, vent hood, BR038, Thermostat (TCV-100/110) Gas Permit pulled per B149
BR-101	(1)	Bleed Ring 4” ANSI 600# x 1-1/2” thick w/ 1/2” NPT 316 SS Material
EY 101/2	(2)	Solenoid - ASCO Model 8314G301-24, 24 VDC 1/4” NPT, 303 SST body, “1.4 watts”
FE/FQI-101/102	(2)	Vortex Meter – Rosemount Model# 8800DF020SA7N1P1K6M5 8800D: Vortex Flowmeter F: Meter Style: Flanged 020: Line Size: 2” S: Wetted Materials: 316L wrought stainless and CF3M cast stainless steel A7: Flange or Alignment Ring Size: ASME B16.5 RF Class 900 N: Temperature Range: Standard: -40 to 450 Deg F (-40 to 232 Deg C) 1: 1/2-14 NPT ALUMINUM HOUSING P: Transmitter Output: 4-20 mA digital electronics (HART Protocol) with scaled pulse 1: Calibration: Flow Calibration K6: CSA Explosion-proof, Dust Ignition-proof, Intrinsically Safe, and Division 2 M5: LCD Indicator
FE-103	(1)	Meter Run – Canalta Dual Chamber “Senior” 4” 600 ANSI RF Sch 80 100% Radiography, Flanged outer ends Built to AGA 2000 Edition (1) 1” & (1) 3/4” 3000# Downstream connections
LCV-101/102	(2)	Liquid Control Valve – Kimray Model #EVMS6AFVDNC 2” ANSI 600# RF FMA PO

High Pressure Angle Body Motor Valve
316SS 1" Inner Valve Trim
316SS Process, Aflas Elastomers, Viton Diaphragm
NACE Certificate, FAIL CLOSE

- LG-101** (1) **Level Gauge – Penberthy**
Model 2RM7-NACE Reflex
22" visible length
c/w **Model 330J-NACE** gauge valves, 3/4" NPT
- LG-102** (1) **Level Gauge – Penberthy**
Model 2TH7-NACE Transparent
22" visible length
c/w **Model 330J-NACE** gauge valves, 3/4" NPT
- LIT-101** (1) **Level Transmitter – Rosemount**
Model 5302 Guided Wave Radar Level Transmitter
Model# 5302HA1H1N5AE00800CDE6M1W3
5302: Guided Wave Radar Liquid Level and Inter
H: Signal Output: 4-20 mA with HART communication
A: Polyurethane-covered Aluminum
1: Conduit / Cable Threads: 1/2 - 14 NPT
H: High Temp / High Pressure: 2940 psi @ 752 deg F
and 5000 psi @ 100 deg F acc to ANSI Class 2500
1: 316L SST
N: Sealing O-ring Material: None
5A: Probe Type: Flexible Single Lead with weight
E: Probe Length Units: English
008: Probe Length: 8 (feet/m)
00: Probe Length: Not Applicable
CD: 4" ANSI, 900 lb. HTHP / HP units
E6: CSA Explosion-Proof
M1: Integral Digital display
W3: 1 kg weight for flexible single lead probe (5A) L=140
Mm
- LSH/LSL-100** (2) **Level Switch – Endress & Hauser**
Model: FTL50-TGN2AA4E5N
Liquiphant M FTL50
Point Level/density, vibronic.
Application: liquids.
Point Level:
:: Millimeter precision switch point.
:: Application safety:
Independent of liquid attribute.
Independent of built up.
Density:
Continuous measurement.
:: Measure directly in the tank / pipe.
Certificate Ex d/XP: Housing F13
T - Approval: CSA C/US XP CI I,II,III Div.1 Gr.A-G
GN2 - Process Connection: Thread ANSI NPT1, 316L
AA - Probe Length; Type: Compact; Ra<3.2um/126uin
4 - Electronics; Output: FEL54;SIL relay DPDT
19-253VAC/19-55VD4
E5 - Housing; Cable Entry: F13 NEMA Type 4X/6P Encl.
/F17 NEMA Type 4X Encl. Alu; NPT3/4 thread
N - Additional Option: EN10204-3.1 material, NACE

MR0175/MR0103 (wetted parts) inspection certificate

- MVT-103** (1) **Multi Variable Sensor – Control Micro Systems**
Model TBUT4102M2Y101U-00A
Differential Pressure Span: 10-840 in H2O
Absolute Pressure Span: 30-1500 psi
Digital Modbus Protocol
316 SS process cover and sensor material
¼" NPT process connector type
Digital Indicator w/push buttons and ex-proof window
Explosion Proof CSA approved Class1, Div1, Group B-D
Fully compatible with ScadaPack and RealFlo
- PI-105** (1) **Pressure Gauge – Wika Model 233.54**
4" face x ½" NPT end connection
0 to 1500 PSIG range, dual scale
Liquid filled, 316 SS internals
- PIT 104/105** (2) **Pressure Transmitter – Rosemount**
Model# 2051TG4A2B21AB4K6M5
2051T: Inline Pressure Transmitter
G: Measurement Type: Gage
4: Pressure Upper Range Limit: TG: 4000 psi
A: Transmitter Output: 4-20 mA with Digital Signal Based on HART Protocol
2B: Process Connection Style: 1/2-14 NPT Female
2: Isolating Diaphragm: 316L SST
1: Sensor Fill Fluid: Silicone
A: Housing/Conduit: Polyurethane-covered Aluminum
1/2-14 NPT
B4: Coplanar Flange Bracket for 2-in. Pipe or Panel Mounting, all SST
K6: CSA Explosion-proof, Intrinsically Safe
M5: LCD Indicator
- Rosemount 306 Pressure Manifold**
Model# 0306BT22BA11SG
B: Manufacturer: PGI International
T: Manifold Style: Threaded
2: Manifold Type: 2-Valve
2: Materials of Construction: 316 SST
BA: Process Connection: 1/2-14 female NPT
1: Packing Material: PTFE
1: Valve Seat: Integral
SG: Sour Gas (Meets NACE MR 0175 / ISO 15156, MR 0103)
- PRV-100/110** (2) **Instrument Gas Regulator – Fisher Model 912-115**
¼" FNPT connections
250 PSIG MAWP, Std. service
1 to 2.5 PSIG spring range
- PRV/PI-102-103** (2) **Instrument Gas Regulator – Fisher 67CFR**
¼" FNPT connections
250 PSIG MAWP, 0 to 35 PSIG spring range
Std service
0 to 60 PSI Pressure Indicator


PV/PY-101	(1)	<p>Control Valve – FISHER ET Control Valve 657-45 ET-DVC6200 Restricted Control Valve - 4" 600 RF WCC Steel - Port 2-7/8" EQ% Cage guided - Trim # 85C 316 SST/ENC - 316 SST plug - Seat Ring Material: 316 SST (PTFE Soft Seat) - Stem Nitronic 50 SST, Packing: Double PTFE - Body/Bonnet Bolting: 17-4PH studs / 2HM nuts - Complies to MR0175-2002 - Face-to-Face: 15.50"</p> <p>FISHER 657 Spring and Diaphragm Actuator - Size 45 Fail Open - 0-33 psig Operating Range</p> <p>FISHER DVC6200 Non Contact FieldVue Positioner - Protocol: HART - Auto Calibrate-AC Diagnostic Tier - 4-20 mA loop powered electronics - Quick repeatable auto-calibration - Remote calibration and configuration. - Linkage-Less Non-Contact Position Feedback - Low Bleed Relay Single Acting - Output/Supply Gauges: 0-60 psig - CSA Explosion Proof/Intrinsic Safe/Nonincendive - Elastomers: -40 Deg C - Aluminum Enclosure MTGDVCNC-657/667-34-60 DVC6200 MTG KIT 657/667 SIZE 34-60 NO HW 1.01 – 1.50" TVL (GG03708X022)</p>
PRV-101		<p>1/4" NPT FISHER 67CFR Pressure Regulator - Aluminum construction - 0 - 35 psi adjustable output range - Tapped bonnet - c/w integral mtg to a DVC</p>
PSV-103	(1)	<p>Relief Valve – Farris Type 2600 PSV 1" 600 RF X 2" 150 RF FARRIS RELIEF VALVE Set @ 1440 psig, 0 BP, 60F, Ga Model# 26EA13-120/00 1" 600 RF x 2" 150 RF E orifice (0.196 sq in API) Conventional Design, Temperature: -20 Deg F to 800 Deg F Screwed Cap Construction WCB CS Body & Bonnet; 316 SS Disc & Nozzle Chrome Alloy Spring Complies to NACE MR0175-2002 in Primary Zone</p>
SP-100/1/2	(3)	<p>Sample Probe – Welker Model SP-2A 3/4" NPT Process connection</p>
TE/TW 103	(1)	<p>RTD – Aircom RTD Element 3-wire with 3/4" NPT Process Connection Spring Loaded Element 2.5" Insertion Length 3/4" NPT Threaded Process Connection Temperature Range: -100 DEG C to 204 DEG C</p>

TI-101
TW-101

- (1) **Temperature Indicator – Trend**
½" NPT back connection
3" dial, 12" stem
0 to 250°F range - Dual scale
Thermowell: ½" FNPT x ¾" MNPT 304 SST

Note: All instrumentation requires sweet fuel gas / instrument air.

4.0 SKID / BUILDING / INSULATION

- SK-100 (1) Wide Flange Skid**
16' wide, 17'-10-3/8" long
Main skid members 12" Wide Flange
1/4" Checkerplate (Building Area)
(4) Lift Lugs
2" Drip Lip around building perimeter
12" Circular floor drain piped to skid edge with 2" NPT ball valve & plug
3" Underskid Polyurethane Insulation 
Fabricated to CWB specifications.
- B-100 (1) Building – Self Framing**
16-feet wide, 17-feet-10-3/8-inch long
11 feet-3-inch low side eave
Gable Style Roof (4:12 pitch)
22 Ga. Encana Taupe Exterior
24 Ga. White fluted aluminum interior,
R12 wall / R20 roof fiberglass insulation and 6 mil vapour barrier
Two (2) 3-foot x 7-foot single door, check chain, panic-lock, Hydraulic closure and weather-stripping
One (1) 40" x 40" double glazed slider window w/ screen
Two (2) 12-inch x 12-inch adjustable louvers
Full length Ice Rakes

5.0 FUEL GAS SYSTEM

- Set up for off skid 1" NPT sweet fuel gas supply.

6.0 MANUAL VALVES

- BF050N (2) WKM Ball Valve, 1/2" NPT, WCC body, Full Port, 3000#, NACE trim**
Model .5F-B138-CS2-43-S2 WR
- BF075N (5) WKM Ball Valve, 3/4" NPT, WCC body, Full Port, 3000#, NACE trim**
Model .75F-B138-CS2-43-S2 WR
- BF100N (2) WKM Ball Valve, 1" NPT, WCC body, Full Port, 3000#, NACE trim**
Model 1F-B138-CS3-43-S2
- BF100NZ (1) PBV Ball Valve, 1" SW, CS body, Full Port, 2000#, 316SS trim, NACE**
Model 1F-B138-CS3-43-S2
- BF201NZ (1) GVS Ball Valve, 2" ANSI 150# RF, DB & B, LT body, Full Port, NACE, ENC Trim, locking handle, Model B1-600-RF-L-BV21FRNLGVSL01**
- BF206NZ (5) GVS Ball Valve, 2" ANSI 600# RF, DB & B, LT body, Full Port, NACE, ENC Trim,**

locking handle, Model B1-600-RF-L-BV26FRNLGVSL01

- BF306NZ (1) GVS Ball Valve, 3" ANSI 600# RF , DB & B, LT body, Full Port, NACE, ENC Trim, locking handle, Model B1-600-RF-L-BV36FRNLGVSL01**
- BR050N (2) WKM Ball Valve, 1/2" NPT, WCC body, Reduced Port, 3000#, NACE trim Model .5R-B136-CS2-43-S2 WR**
- BR200N (1) Meridian Ball Valve, 2" NPT, WCC body, Reduced Port, 2000#, NACE trim Model M12B (skid drain)**
- BR206N (2) WKM Ball Valve, 2" ANSI 600# RF, RP, WCC Body, NACE Service, locking handle Model 2R-B114-CS2-42-S2 WR**
- BR306N (3) WKM Ball Valve, 3" ANSI 600# RF, RP, WCC Body, NACE Service, locking handle Model 3R-B114-CS2-42-S2 WR**
- CS206N (2) Swing Check Valve Wheatley, 2" ANSI 600# RF, NACE, Model 9D-510-025144-166**
- CS406N (1) Swing Check Valve Wheatley, 4" ANSI 600# RF, NACE, Model 9D-510-045144-166**
- GL100NZ (1) Globe Valve Velan, 1" SW, CL800, SA105/WCB Body, Trim 12, NACE Model W-207B-02NB**
- GL306N (1) Globe Valve Velan, 3" ANSI 600# RF, WCC Body, NACE, Model F-2074C-02NB**
- NF025N (10) Anderson Greenwood Needle Valve, 1/4" F x FNPT, 6000#, 316 SS Body and trim, Model H7VIS-2-SG**
- NF050N (4) Anderson Greenwood Needle Valve, 1/2" F x FNPT, 6000#, 316 SS Body and trim, Model H7VIS-4Q-SG**
- NM025N (6) Anderson Greenwood Needle Valve, 1/4" M x FNPT, 6000#, 316 SS Body and trim, Model H7VIS-24-SG**
- NM050N (7) Anderson Greenwood Needle Valve, 1/2" M x FNPT, 6000#, 316 SS Body and trim, Model H7VIS-44Q-SG**
- SY206N (1) Y Strainer Alberta Strainers, 2" ANSI 600# RF, SS, Model YF600SS**
- SY306N (1) Y Strainer Alberta Strainers, 3" ANSI 600# RF, Model YF600SS**

Note: Valves may be substituted with vendor approved brands based on valve availability

7.0 PACKAGE MATERIALS

<u>Structural Material:</u>	SA 36
<u>Vessel V-100</u>	
Heads:	SA-516-70N
Shell:	SA-516-70N
Skirt:	SA-36
Pipe:	SA-106-B SMLS
Flanges:	SA-105
Weld Fittings:	SA-234-WPB

<u>Threaded Piping</u>	
Pipe Liquid Line:	SA-106-B, SA 333 Gr 6 Sch. 80/160/XXS

Pipe Fuel gas: SA-106-B, SA 333 Gr 6 Sch. 80/160/XXS
Threaded Fittings: SA-105-N, SA -350 LF2 CL 1 3000/6000#

Welded Piping

Pipe: SA-106-B, Sch. 80 / 160 / XXH SMLS
Flanges: SA-105-N / SA -350 LF2 CL 1
Weld Fittings: SA-234-WPB
Threadlets and Couplings: SA-105-N
Gaskets: 316 S.S. Flex.
Bolting: SA-193-B7M, SA-194-2HM

Instrument Tubing

Tubing: ASTM A269 / ASME SA213 316 SS – 0.035” / 0.049”
Fittings: 316 SS - Swagelok
Ferrules: SS Ferrules
Tubing Clips: Plastic

8.0 TESTING / POST WELD HEAT TREAT (PWHT)

Hydro-Testing:

Pressure Vessels: As per ASME Section VIII Div. 1
 Pressure Piping: As per ASME B31.3 N.F.S.
 Testing Instrument Supply Lines: As per ABSA AB-522
 Process Tubing Lines: As per B31.3

Radiography:

V-100: RT-1 per UW 11 (a) – Full on long seam and circ seams
 Butt weld Piping: 100% Radiography
 Socketweld Piping: 10% Radiography
 Bridle V-102 100% Radiography

PWHT:

V-100 Yes
 Weld Piping: Yes
 Bridle V-102 Yes

Ultrasonic Test:

V-100 Cat “D” welds

Hardness Test:

V-100 Yes
 Weld Piping: 10%
 Bridle V-102 Yes

MPI/ MT Inspection:

Vessel Yes
 Skid Lift Lugs Yes
 Bridle V-102 MPI of 10% WOL's

9.0 PAINT / COATING

Surface Preparation: SSPC SP6-63 Commercial Blast
Package Finish: 2 s/c Cloverdale 835 SERIES DTM (direct to metal)
 POLYURETHANE ENAMEL – Encana Taupe

10.0 ELECTRICAL

- Wiring of two 12 VDC heaters per CEC Class 1, Div 1 specifications.
- Strobe, Blue for LEL/H2S
- ~~Strobe, Red for H2S~~ – Omitted by Customer on late Mark ups

- (2) Crouse Hinds LED Ceiling Mount Light Fixture, 10-30 VDC
- (2) ESD Pushbutton
- RTU Panel
- Net Safety Millennium II H2S Detector
- Net Safety Millennium II LEL Detector
- Wiring of P & ID indicated devices to RTU panel
- Wiring to be Class 1 Zone 1

11.0 DOCUMENTATION

- Two QC / Equipment Manuals on CD are supplied. Hard copies are available at \$500 per copy.
- P&ID, skid and general arrangement drawings (with one revision) are included. Extra charges apply for additional changes and revisions at \$95.00 per hour.
- Documentation Provided as per **NWP's Standard Document Index**

12.0 ADDITIONAL NOTES

- No vessel "U" Stamp shall be provided.
- Welded and threaded piping securely supported via structural steel supports.
- Instrument tubing supported on building wall via tubing clips.
- Package dismantled only to the extent required for shipping.
- NWP Standard Terms and Conditions of Sale shall apply.
- Documentation as per NWP Standard Document Index
- NWP reviews all specifications provided to us. NWP, however, cannot accept responsibility for any omissions made in our quotations which are not in compliance. We require that customers review the quotation for compliance to their specifications and request a revision for any errors / omissions which may have been made.
- Engineering review is not done at time of quotation. If material and / or specifications change due to engineering review, price adjustment will apply.
- A Project Management Fee of \$85.00 / Hr shall be charged for any Customer changes to project design, drawings, scope of work, or specifications above and beyond those required for fabrication of the product as submitted and proposed in this quotation
- Cancellation Terms: Costs incurred to date with applicable vendor restocking fees plus twenty percent of Purchase Order value.

13.0 3RD PARTY INSPECTION INFORMATION

- MECHANICAL:
 - Level 3, KEVTEC Inspection Services Ltd.
 - Kevin Fundytus, 403.358.2850
- ELECTRICAL:
 - Level 2, DYNAMYSK,
 - John Jones, 403.513.4118

14.0 PROGRESS PAYMENTS

The following Progress Payment Schedule shall apply to this order:

- 10% invoiced upon submittal of approval drawings.
- 40% invoiced upon receipt of major materials.
- 45% invoiced upon completion and readiness to ship.
- 5% invoiced upon submittal of final documentation.

15.0 DELIVERY SCHEDULE

- Target due dates are set as follows:
 - 09359-001 due June 15, 2015
 - 09359-002 due July 15, 2015
 - 09359-003 due September 15, 2015

16.0 SHIP LOOSE MATERIALS

- Package dismantled only to the extent required for shipping.
- Spare Vortex Meters (2) - **Vortex Meter – Rosemount**
Model# 8800DF020SA7N1P1K6M5
8800D: Vortex Flowmeter
F: Meter Style: Flanged
020: Line Size: 2"
S: Wetted Materials: 316L wrought stainless and CF3M cast stainless steel
A7: Flange or Alignment Ring Size: ASME B16.5 RF Class 900
N: Temperature Range: Standard: -40 to 450 Deg F (-40 to 232 Deg C)
1: 1/2-14 NPT ALUMINUM HOUSING
P: Transmitter Output: 4-20 mA digital electronics (HART Protocol) with scaled pulse
1: Calibration: Flow Calibration
K6: CSA Explosion-proof, Dust Ignition-proof, Intrinsically Safe, and Division 2
M5: LCD Indicator