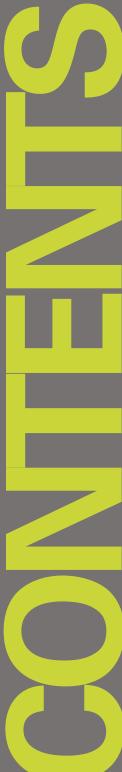


DataCan*
Product Catalog

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Application

DataCan's Solar Powered Surface Data Collection System is used when power is unavailable on site. It can also be used if power is inconsistent (ie there are often power outages) and the solar engine and batteries are used as a backup. DataCan's Solar Powered Surface Data Collection can also be a temporary solution until power becomes available at a later date.

Benefits

Portable Self-contained

Features

- o 100 W Solar Engine
- o Dual 12V 100Ahr Gel Cells

Accessories

Description	Part No.
Solar Power Package_100W 12V	101319
Battery Enclosure	101281
Stand	101477
Wiring Package	102916

Portable Logger

Application

DataCan's Data2Desk system is used for permanent monitoring, diagnostic injection frac monitoring and off-set well monitoring. It allows the user to view well data in real time, from any location, using a secure web server.

Benefits

The Data2Desk system is cost effective and convenient as it saves the cost of having personnel drive out to site to check the well status. It also allows users to view current and historical data, observe data trends, set alarms and change data sampling rates, all from a secure web server.

Features

- o 24 Hours a Day, 7 Days a Week Remote Monitoring
- o Data Stored on Site and on a Secure Web Server www.data2desk.com
- o Data can be Viewed from a Web Browser
- o Data over Cellular with Optional Satellite Backup
- o Optional Subdomain Specific to you your_company_name.data2desk.com

Portable Data2Desk

Description	Part Number
Surface Logger_Data2Desk_Pelican Case	105286
Solar Power Package_100W 12V	101319
Stand	101477
USB Download Cable	100682

Display	Pressure and Temperature	
Memory Capacity	20 Million Samples	
Output	RS-485 Modbus	
Power	27 Ahr	
Cellular	4G Modem	



AC .



Application

DataCan's Surface Box collects, stores, and transmits downhole and/or surface data. It has a NEMA IV enclosure, digital display, 20 million sample capacity, and Modbus output. DataCan offers a telemetry kit for any additional gauges required and the system can be custom configurable.

Data²Desk

Benefits

The Surface Box has low power requirements so it can be ran on a small solar panel. With 20MM sample capasity the customer does not need to get back to it right away to retrieve the data, and can be equiped with our Data2Desk system when it is being used in an isolated area. Set-up and data download is quick and easy via a USB connection.

Features

- Digital Display
- o Over 100 Million Sample Capacity
- o Set-Up & Download Via USB
- o Modbus Output
- o Optional Telemetry Cards
- o Optional Surface Transmitters Inputs
- o Optional RTD Thermocouple Inputs
- o Optional 4 to 20 mA outputs
- o Optional Ethernet output

Surface Box Collection

Description	Part No.
Logger	105421
Single Gauge Piezo	102276
Multi Gauge Logger	103648

Display	Pressure and Temperature
Memory Capacity	More than 100 Million Sample Capacity (100 GB or more)
Download Via	USB
Output	RS-485 Modbus
Power	12 - 24 V





Application

A real time reservoir monitoring system for; progressive cavity pump, rod lift, gas lift, observation and injection wells. DataCan's Surface Box with Color Touchscreen is designed to display, record, and output the real-time data of multiple gauges. The gauges can be in a single well on a single wire (multi-gauge), or from multiple wells on a single pad (multi-well), or a combination of both. DataCan Piezo and Quartz sensors, Surface transmitters, RTD's, and Thermocouples can be connected. The box can output an RS-485, or ethernet. Additionally, DataCan can install a Data2Desk system with a remote Cellular or Satellite connection.

Benefits

Having the touchscreen means you don't need to have a laptop to configure, program, set-up, download, or view your data. The design has low power requirements, and enough memory capacity to store one-second data from a single gauge for over 10 years.

Features

- o 7" Color Touchscreen Display & Interface
- o Connect up to 4 downhole gauges (4 telemetry cards)
- Connect up to 4 VFDs. Data logged to memory and output via Modbus or Ethernet
- $\circ~$ Modbus connection to external SCADA system over RS-485 or Ethernet
- More than 100 Million Sample Capacity (100 GB or more)
- o Set-Up and Program Via Touchscreen or Ethernet Remote Terminal
- o Integrated Transient Power Suppression against Lightning
- o Easy and Simple Installation
- o Optional Data2Desk Remote Monitoring System

- o Optional Internal Heater
- o Set up and download via any USB Flash Drive
- o Pass-thru VFD Interrogation From Remote Terminal
- o Simultaneous Remote Interrogation of Multiple Masters

Surface Box with Color Touchscreen

Part No.	109568	
Display	7" LCD, 840p x 480p	
Memory Capacity	More than 100 Million Sample Capacity (100 GB or more)	
Output	RS-485 Modbus, Ethernet	
Enclosure Rating	Nema 4X	
Temperature Range	-20°C to 70°C	
Enclosure Dimensions	11.6" x 13.9" x 7.3"	
Power Input	12 - 24 VDC	
Power Consumption	150 mA (Single Multi-Gauge Well) + 40 mA (Each Additional Well)	
	25 kA 8/20 us on Tool Line	
Transient Protection	50 kA 8/20 us on Power Line	
	UL 1449 600V, UL 96A compliant	
Part No.	107976	
VFD Interface	RS-485 2 Wire (Modbus RTU Protocol)	



Telemetry Card with Memory

Application

Tie a downhole gauge directly into a SCADA unit or pump-off controller with this telemetry card. One card communicates with up to 8 addressable multi-gauges in a single well. On-board memory can be useful when your I&E team hasn't yet tied in your SCADA unit, or if your SCADA unit fails we have a back-up of your downhole data.

Benefits

Low cost data delivery and storage option Physical Modbus address selector Easy installation

Features

- Up to 8 gauges on a single line
- o Onboard memory storage
- o DIN rail mountable
- o No need for manual gain adjustment
- o Tool status indicators
- o Can select either 12 V for regular tools or 24V for high power tools.
- o Isolated tool power loop eliminates ground loops
- o Modbus status indicator
- o Can be used for single gauge if memory is wanted in a single gauge application

ed in a single gauge app

Multi-Gauge DIN Rail Mounted Surface Telemetry Card

Description	Part No.
SRO Telemetry_Memory_DIN + Download Cable	109137

Accessories

Accessory Type	Part No.
3 Pin Vertical Entry (For Modbus)	109418
2 Pin Right Angle (For Power In or Tool Out)	109417
36V to 12V converter (For wider input voltage range)	109112
USB Download Cable	PE171UU0012
DataCan Download and Program Software	100872



Input Voltage	9.5 - 24V
Communication Method	Modbus and USB
Max # of Gauges on a Single Line	8
Tool Power Isolation	Yes
Data Storage	20 million sample capacity



Piezo Perm

Application

DataCan's Multi-Gauge Piezo Bottom Pressure Tool can be used on its own or at the bottom of a multi-gauge pressure system.

Benefits

The Multi-Gauge Piezo Bottom Pressure Tool is easy to install and produces high quality reservoir data in real time. It's fully welded construction, dual protection metal to metal seal design, and hermetically sealed electronics make it a very reliable product. This is the final gauge in a multi-gauge system. Alternatively, this gauge can be used on it's own as a single gauge in a single gauge system.

Features

- Fully Welded Construction
- o Hermetically Sealed
- o Corrosion Resistant NACE MR0175
- o Slim 0.75" Diameter

Multi-Gauge Piezo Bottom Pressure Tool - Stainless

Pressure	Temperature	Part No.		
		1/8" Wire	1/4" Wire	4mm Wire
750 psi		110822	108928	110828
1,500 psi		110823	108929	110829
3,000 psi	15000	110824	108844	110830
6,000 psi	150°C 	110825	108931	110831
10,000 psi		110826	108932	110832
15,000 psi		110827	108933	110833



Multi-Gauge Piezo Bottom Pressure Tool - Inconel

Pressure	Temperature	Part No.		
		1/8" Wire	1/4" Wire	4mm Wire
750 psi	150°C	110834	110840	110846
1,500 psi		110835	110841	110847
3,000 psi		110836	110842	110848
6,000 psi		110837	110843	110849
10,000 psi		110838	110844	110850
15,000 psi		110839	110845	110851

	Pressure	Temperature
Accuracy Up To	0.03% F.S.	0.5°C
Resolution	0.0003% F.S.	0.005°C
Drift	< 3 psi / year	< 0.1°C / year



Piezo Passthru

Application

DataCan's Multi-Gauge Passthru Piezo Tool is used for multi gauge applications. It has the capability to connect up to 8 gauges on a single conductor. The passthru gauge acts as a pressure gauge and eliminates the need for a WYE splice, reducing the number of connections needed; making it a more cost effective and reliable option.

Benefits

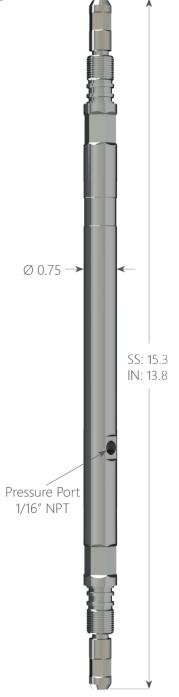
The Multi-Gauge Passthru Piezo Tool is quick and easy to install and produces high quality well or reservoir data in real time. Its fully welded construction, dual protection metal to metal seal design, and hermetically sealed electronics, make it a very reliable gauge. Since it acts as both a gauge and a WYE splice, it helps reduce the cost of the permanent system while increasing reliability.

Features

- o 8 Gauges on a Single Conductor
- No WYE Needed
- o Slim 0.75" Diameter
- Cablehead Top
- o Cablehead Bottom
- Fully Welded Construction
- o Hermetically Sealed
- Dual Protection Metal to Metal Seal Design
- o Corrosion Resistant NACE MR0175

Passthru Piezo Permanent - Stainless

Pressure	Temperature	Part No.		
		1/8" Wire	1/4" Wire	4mm Wire
3,000 psi	150°C	108829	107434	110859
6,000 psi		110852	107435	110860
10,000 psi		110853	107436	110861
15,000 psi		110854	107437	110862



Passthru Piezo Permanent - Inconel

Pressure	Temperature	Part No.		
		1/8" Wire	1/4" Wire	4mm Wire
3,000 psi	150°C	110855	107448	110863
6,000 psi		110856	107449	110864
10,000 psi		110857	107450	110865
15,000 psi		110858	107451	110866

	Pressure	Temperature
Accuracy Up To	0.03% F.S.	0.5°C
Resolution	0.0003% F.S.	0.005°C
Drift	< 3 psi / year	< 0.1°C / year



Dual Piezo Dual Protection Metal to Metal Seal

Application

PCP monitoring with DataCan's Dual Piezo Pressure Gauge delivers pressure, temperature and vibration (optional) readings for both the pump discharge (tubing sensing) and intake (annulus sensing).

Benefits

Fully welded construction, dual protection metal to metal seal design, and hermetically sealed electronics.

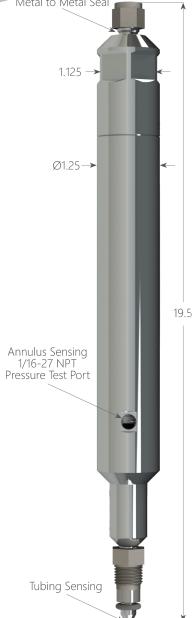
Features

- o High Accuracy and Resolution Reservoir Data
- o Fully Welded Construction No O-Rings
- Hermetically Sealed
- o Dual Protection Metal to Metal Seal Design
- o Corrosion Resistant NACE MR0175
- 1 Second Sampling
- o Dual Axis Vibration Sensor Option Capable Of Monitoring Pump Wear

Dual Piezo Permanent with Vibration - Stainless

Pressure	Temperature	Wire Size	Part No.
1,500 psi			107904
3,000 psi			107901
6,000 psi	135°C	1/4"	106887
10,000 psi			107902
15,000 psi			107903

	Pressure	Temperature
Accuracy Up To	0.05% F.S.	0.55°C
Resolution	0.0003% F.S.	0.005°C
Drift	< 3 psi / year	< 0.1°C / year
Vibration Range (Horizontal & Vertical)	± 50 g	



Quartz Perm

Application

DataCan's Multi-Gauge Quartz Bottom Pressure Tool can be used on its own or at the bottom of a multi-gauge pressure system.

Benefits

The Multi-Gauge Quartz Bottom Pressure Tool is easy to install and produces high quality reservoir data in real time. It's fully welded construction, dual protection metal to metal seal design, and hermetically sealed electronics make it a very reliable product. This is the final gauge in a multi-gauge system. Alternatively, this gauge can be used on it's own as a single gauge in a single gauge system.

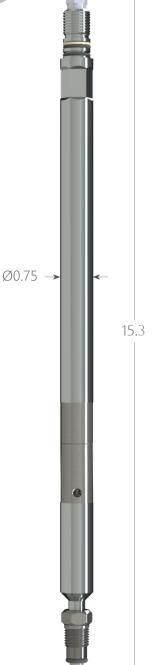
Features

- o 8 Gauges on a Single Conductor
- No WYE Needed
- o 0.75" Diameter
- o Corrosion Resistant NACE MR0175

Multi-Gauge Quartz Bottom Pressure Tool - Inconel

Pressure	Temperature	Part No.		
		1/8" Wire	1/4" Wire	4mm Wire
5,000 psi		110867	109372	110872
10,000 psi		110868	108772	110873
16,000 psi	150°C	110869	109373	110874
20,000 psi		110870	109374	110875
25,000 psi		110871	109375	110876

	Pressure	Temperature
Accuracy Up To	0.022% F.S.	0.25°C
Resolution	0.00006% F.S.	0.005°C
Drift	< 1 psi / year	< 0.1°C / year



Quartz Passthru

Application

DataCan's Multi-Gauge Passthru Quartz Tool is used for multi gauge applications. It has the capability to connect up to 8 gauges on a single conductor. The passthru gauge acts as a pressure gauge and a WYE splice, reducing the number of connections needed, and making it a more cost effective, and reliable option.

Benefits

The Multi-Gauge Passthru Quartz Tool is quick and easy to install and produces high quality well or reservoir data in real time. Its fully welded construction, dual protection metal to metal seal design, and hermetically sealed electronics, make it a very reliable gauge. Since it acts as both a gauge and a WYE splice, it helps reduce the cost of the permanent system while increasing reliability.

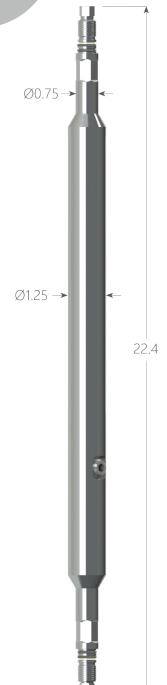
Features

- o 8 Gauges on a Single Conductor
- No WYE Needed
- o Dual Protection Metal to Metal Seal Design
- o Corrosion Resistant NACE MR0175

Passthru Quartz Pressure Gauge - Inconel

Pressure	Temperature	Part No.		
		1/8" Wire	1/4" Wire	4mm Wire
10,000 psi	150°C	110877	108915	110880
16,000 psi		110878	108916	110881
20,000 psi		110879	108917	110882

	Pressure	Temperature
Accuracy Up To	0.022% F.S.	0.25°C
Resolution	0.00006% F.S.	0.005°C
Drift	< 3 psi / year	< 0.1°C / year



Dual Quartz

Application

PCP monitoring with DataCan's Dual Quartz Pressure Gauge delivers pressure, temperature and vibration (optional) readings for both the pump discharge (tubing) and intake (annulus).

Benefits

Fully welded construction, dual protection metal to metal seal design, and hermetically sealed electronics.

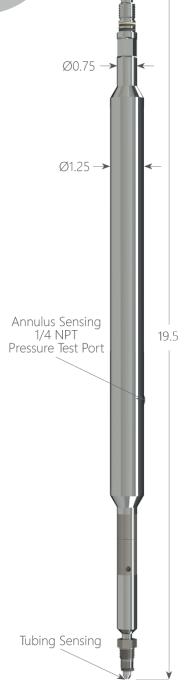
Features

- High Accuracy and Resolution
- o Fully Welded Construction
- Hermetically Sealed
- o Dual Protection Metal to Metal Seal Design
- o Corrosion Resistant NACE MR0175
- 1 Second Sampling
- o Dual Axis Vibration Sensor Option Capable Of Monitoring Pump Wear

Dual Quartz Permanent - Inconel

Pressure	Temperature	Wire Size	Part No.
5,000 psi			103780
10,000 psi	——————————————————————————————————————	1 //!!	103781
16,000 psi	150 C	1/4"	103782
20,000 psi			103783

	Pressure	Temperature
Accuracy Up To	0.022% F.S.	0.25°C
Resolution	0.00006% F.S.	0.005°C
Drift	< 3 psi / year	< 0.1°C / year
Vibration Range (Horizontal & Vertical)	± 50 g	



Force Gauge

Application

The real-time downhole tool measures internal and external pressure, temperature, and tubing strain. Measure your tubing stress and avoid catastrophic completion failures. Enhanced oil recovery methods can have significant thermal differentials. Thermal cycles have the capacity of unloading or overloading pre-stressed completion assemblies.

The Completion Force Gauge allows operators to monitor and track the downhole forces in real-time for the life of the completion.

Benefits

Fully welded construction with pressure-testable, metal-to-metal, redundant cablehead design. Digital piezoelectric pressure gauge technology compensates the axial strain data against internal and external pressure changes. The internal resistive thermal device compensates the strain data against thermal changes, delivering pure compression and tension strain data.

Custom Connections and Sizes Available.

Features

- o Real-Time
- o Downhole Tension and Compression
- Downhole Internal and External Pressure
- o Temperature, Vibration, and Torque

Completion Force Gauge

OD	Pressure	Part No.
4.370"	15,000 psi	109646



	Pressure	Temperature
Accuracy	0.05% F.S.	0.5°C
Resolution	0.0003% F.S.	0.005°C
Drift	< 3 psi/year	< 0.1°C/year
Compression and Tension		
Range	+/- 80,000 lbs	
Accuracy	1% F.S.	
Max Sampling	1 Hz	



Outlet II



A dual barrier system when exiting TEC (tubing encapsulated cable) from the wellhead. The WHO II has metal to metal seals as well as a welded glass feedthru barrier.

Features

- o CSA Class I, Groups A,B,C,D T6
- o 50 Vdc, 100 mA
- MWP = 5000 PSI / 35000 KPA
- Metal to Metal Seals
- Welded Glass Feedthru
- o Single or Multi-Conductor

CSA Approved Wellhead Outlet II - *5,000 psi

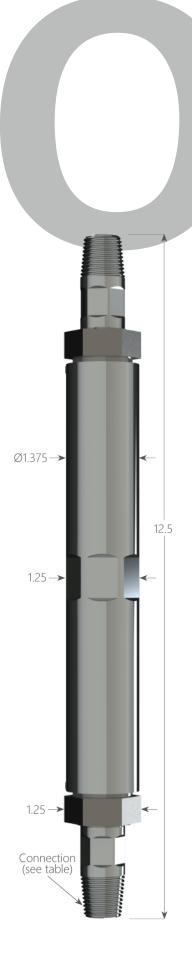
Wire Size	Connection	Material	Part No.
1 /0" OD		Stainless Steel	102186
1/8" OD	1/2" NPT	Inconel 718	109091
		Stainless Steel	102316
1/4" OD		Inconel 718	109092
	9/16" Autoclave	Ctairless Ctasl	102648
4 mm OD	1/2" NPT	Stainless Steel	102651

Wellhead Outlet II

Wire Size	Connection	Material	Part No.	
1/8" OD			102631	
1/4" OD	1/2" NPT	Stainless Steel	102630	
4 mm OD			101019	

Multi Conductor Wellhead Outlet II

Wire Size	Connection	Material	Part No.
1/8" OD	−1/2" NPT		102647
1/4" OD	-1/2 NPI	-Ctoinlage Ctool	102451
1/4" OD	9/16" Autoclave	-Stainless Steel	102650
4 mm OD	1/2" NPT		102653





Application

Exit the wellhead using this low cost dual barrier system.

Features

- o Low-pressure glass to metal seal
- Easy installation
- Low-cost

Low Cost Wellhead Outlet

Well Cable OD	CSA Part No.	Non-CSA Part No.
1/8"	108045	108046
1/4"	108047	108048
4mm	108049	108050

Optional Equipment

Part Name	Part Number
Lightning Suppression Junction Box	106400
Standard Junction Box	101167



Application

Using three parallel suppression devices, the lightning suppression junction box will dissipate a 5,000 Watt pulse for a 10 micro second period.

Lightning Suppression Junction Box

Part Number		106400
Wellhead Lightning Suppression		5000W Triple Suppresion 10/1000 μs
Connections		1/2" NPT & 14 AWG TECK
Dimensions		7.2" x 4.6" x 2.9"
NEC/CEC		Class I, Division 1 and 2, Groups B, C, D Class II, Division 1 and 2, Groups E, F, G Class III NEMA 3, 4, 4X Class 1, Zone 1 and 2, IIA, IIB
NECCOTO C. CC. C.	UL Listed	E85310, E10444
NEC/CEC Certifications and Compliance	CSA Standard	C22.2 No. 25, C22.2 No. 30
	CSA Certified	025875

Gauge Carrier

Application

Used where there is a low-pressure differential, or when trying to keep costs down as much as possible. The gauge attaches directly to a gauge port with a metal-to-metal seal that prevents leaks. Configured to measure both internal (tubing) and external (annulus) pressures.

Features

- o Cost-Effective Alternative
- Custom Configurations
- o Metal to Metal Seals

Welded Carrier Assembly - J55

Tubing (inches)	OD (mm)	ID	Drift ID	Offset	Connectio	n Sensing	Part No.	
(IIICIIes)	(111111)					Annulus	100291	
2.375	3.125	1.995	1.901	0.375	EUE	Tubing	100292	
60.3	79.4	50.6	48.3	9.5	EUE	Annulus	100293	
					Modified	Tubing	100294	
					FLIF	Annulus	100320	
2.875	3.625	2.441	2.347 0.375 59.6 9.5 EUE		EUE	Tubing	100321	
73.0	92.1	62.0			9.5	EUE	Annulus	100322
					Modified	Tubing	100323	
					EUE	Annulus	100349	
3.5	4.25	2.992	2.867		EUE	Tubing	100350	
88.9	107.9	78.0	72.8	78.0 72.8	9.5	EUE	Annulus	100351
					Modified	Tubing	100352	
			FLIF	Annulus	100378			
4.5	5.25	3.958	3.833 97.4		0.375	EUE	Tubing	100379
114.3	133.3	133.3 100.5 97.4 9.5			100.5 97.4	100.5 97.4	9.5	EUE
					Modified	Tubing	100341	

Solid Carrier

Application

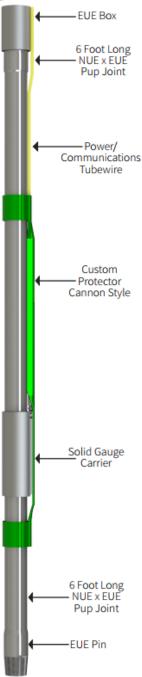
DataCan's Solid Gauge Carrier is customizable to suit the user's needs. The gauge is attached directly to a gauge port with a high-pressure, metal-to-metal testable seal. Configured to measure ether internal (tubing) or external (annulus) pressure.

Features

- Non Welded
- Custom
- Metal to Metal Seals
- o Pressure Testable

Solid Gauge Carrier Assembly - Multi Gauge Assembly

Tubing	g OD	ID	Drift ID	Offset	Weight	Tensile	Collaps e	Burst	x	Material	Ported	Part No.	
(inches) (mm)		m)			(lb/ft)	(lb)	(psi)					Slim	Square
3.5 88.9	5.25 133.4	2.992	2.867 72.8	0.50 12 7	9.3	159,090	10,530	10,160 EUE		4140 L80	Yes	108925	108843
00.9	155.4	76.0	72.0	12.7						4130	No	108919 -	
4.5		3.958	3.833	0.531	12.75	208,730	7,500			4140 L80	Yes	108925	108843
114.3		100.5	97.4	13.5						4130	No	108919 -	
5.5 139.7	7 177.8	4.892 124.256 8	4.767 121.081 8	0.425 10.795	24.42	338,000	6,200	7,020	LTC	4140 L80	Yes	108924	108842



Solid Gauge Carrier Assembly - Single Gauge (All Ported)

Tubing		OD	ID	Drift ID	Offset			Collapse	Burst	Connection	Materia	Part No.
(inches)	(mm)					(lb/ft)	(lb)	(psi)				110.
											4140 L80	100287
2.375 60.3		3 525	1.869 47.4			5.95	102,990) 15,280	14,970	EUE	Teflon ID	100288
										EUE Modified	4140 L80	100289
											Teflon ID	100290
2.875 73.0			125 2.441 14.7 62.0			6.5	105,570) 11,160	10,570	EUE	4140 L80	100316
		4.125									Teflon ID	100317
		104.7								EUE Modified	4140 L80	100318
											Teflon ID	100319
3.5 88.9	4.81 122	4.813	13 2.992 .2 78.0	2.867 72.8	0.281 7.1	9.3	159,090	10,530	10,160	EUE	4140 L80	100345
											Teflon ID	100346
		122.2								EUE Modified	4140 L80	100347
											Teflon ID	100348
4.5 114.3			2 3.958 4 100.5		0.281 7.1	12.75	208,730	7,500	8,430	EUE	4140 L80	100374
		5.762		3.833 97.4							Teflon ID	100375
		146.4 10								EUE Modified	4140 L80	100376
											Teflon ID	100377



Banding D

Application

If your well is vertical, then we often don't use clamps and simply band cable directly to the tubing string. This obviously comes with risks. Land operations often band instrument cable with no problems.

Features

- Low Cost
- Fast

0.75" x 0.025" Banding

Part No.	Description
100549	Banding_0.75"x0.025"_SS316
100560	Seals For Banding_1000 per Box_SS316
102538	Banding_0.75"x0.025"_SS304
102539	Seals For Banding_1000 per Box_SS304

Heavy Buty

Application

Installed in the lower half of the well, where the well becomes deviated, with greater side loads. Used to hold the conductor tube snug against the tubing string while protecting the conductor tube from any damage that may occur downhole.

Benefits

The Heavy Duty Cable Clamp is quick and easy to install and is a more robust option.

Features

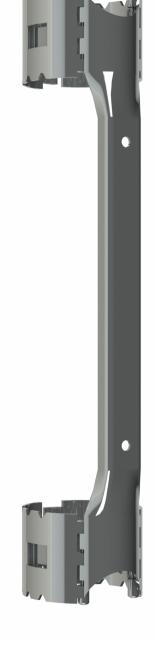
- o Heavy Duty Stamped Carbon Steel
- o Tapered Pin Design

Heavy Duty Cable Clamp

Tubulur Size	Joint Type	Part No.		
Tubulur Size		1/4" Wire	11mm x 11mm Wire	
2.2/0"	EUE	101376	102078	
2 3/8"	NUE	102079	102080	
2 7/8"	EUE	101379	101380	
	NUE	102081	102082	
3 1/2"	EUE	101382	101383	
	NUE	102083	102084	
4.1./20	EUE	101385	102085	
4 1/2"	NUE	102086	101386	
5 1/2"	LTC	103529		

Accessories

Accessory Type	Part No.
Hand Tools	101540
Pneumatic/Hydraulic Installation Tools	104141



Calamo Dight Buty

Application

Installed in the top half of the well, where the well is completely vertical. Hold the conductor tube snug against the tubing string while protecting the conductor tube from any damage that may occur downhole.

Features

- Low Cost
- o Heavy Duty 12 Gauge Carbon Steel
- $\circ\,$ Prevents Damage to the Conductor Tube

Light Duty Cable Clamp

Tubulur Size	Wire Size	Part No.		
		1/4" Wire	11mm x 11mm Wire	
2 2 /0" [] [Carbon Steel	10140	10143	
2 3/8" EUE	SS/13 Cr	102608	104222	
2 7/8" EUE	Carbon Steel	10141	10144	
	SS/13 Cr	102629	103872	
3 1/2" EUE	Carbon Steel	10142	10145	
	SS/13 Cr	104223	104224	
4 1/2" EUE	Carbon Steel	102723	102148	
	SS/13 Cr	-	103878	
	Carbon Steel	-	101949	

Accessories

Accessory Type	Part No.
SS Banding	100549
SS Banding Clamps	102539
Banding Tool Manual	102545
Banding Tool Manual Sealer	102546
Pneumatic Installation Tools	100531



The electrical connection between the conductor of the wireline is a crimp/socket connection. The mechanical connection provides a leak-proof barrier from the surrounding wellbore fluids.

Features

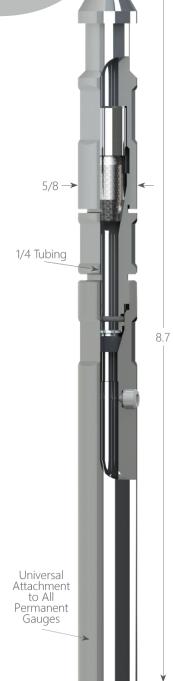
- o Pressure Testable Option
- o Economy Option
- Universal Connection
- o Metal to Metal Seals
- o Available Jaw Style Strain Relief

0.75 OD Cablehead

Assembly Type	Testable	Locking Dogs	Material	Cable OD	Part No.
			SS17-4, SS316		103976
Pressure Testable	✓	✓	Inconel 625, Hastelloy C-276	1/4"	100075
		✓	SS17-4, SS316	1/8"	102664
				1/4"	101905
Cablehead II				4mm	110883
Cablenead II			Inconel 625, Hastelloy C-276	1/8"	102665
				1/4"	101915
				4mm	110884
			SS17-4, SS316		109189
Economy			Inconel 625, Hatelloy C-276	1/4"	100076

Specifications

	Maximum External Pressure
SS Versions	16,000 psi (1,100 bar)
CRA Versions	25.000 psi (1.700 bar)



Visit Us: DataCan.ca Email: Info@DataCan.ca Canada: +1 (403) 352.2245 USA: +1 (281) 974.7010

Splice

Application

The Standard Splice is used when joining two conductor cables, often when the cable has become damaged during installation. It is characterized by its crimp/crimp electrical connection and metal to metal seals. The simple construction makes it quick and easy to assemble on site while providing a reliable electrical and mechanical connection.

Benefits

The Standard Splice is DataCan's most cost effective splice that is the fastest splice to install due to its simplistic design.

Features

- o Crimp/Crimp Electrical Connection
- o Corrosion Resistant NACE MR0175
- o Metal to Metal Seals

Standard Splice

Material	TEC Size	Part No.
Sweet (17-4x SS316)		10147
Sour (Inconel 625, Hastelloy C-276)	0.25" OD x 0.25" OD	101844
Sweet (17-4x SS316)		10146
Sour (Inconel 625, Hastelloy C-276)	0.25" OD x 0.125" OD	101843
Sweet (17-4x SS316)		10148
Sour (Inconel 625, Hastelloy C-276)	0.125" OD x 0.125" OD	101845

Max External Pressure	20,000 psi
Max External Temperature	150°C



Testable Splice

Application

The Testable Splice is similar to the Standard Splice in that it is used to join two conductor cables. However, it is also pressure testable to 20,000 psi for quality assurance. It is characterized by its crimp/crimp electrical connection and metal to metal seals. The simple construction makes it quick and easy to assemble and test on site while providing a reliable electrical and mechanical connection.

Benefits

The Testable Splice allows customers to quickly and easily pressure test the seals of the splice at the well site, ensuring a reliable connection.

Features

- o Crimp/Crimp Electrical Connection
- o Corrosion Resistant NACE MR0175
- Metal to Metal Seals
- o Field testable to 20,000 psi

Testable Splice

Material	TEC Size	Part No.
Sweet (17-4x SS316)		100068
Sour (Inconel 625, Hastelloy C-276)	0.25" OD x 0.25" OD	100185
Sweet (17-4x SS316)		100607
Sour (Inconel 625, Hastelloy C-276)	0.25" OD x 0.125" OD	100611
Sweet (17-4x SS316)		100542
Sour (Inconel 625, Hastelloy C-276)	0.125" OD x 0.125" OD	100543

Max External Pressure	20,000 psi
Max External Temperature	150°C



Splice



The WYE Splice is used to join three conductor cables; one going to surface and two going downhole, making a Y shape. This allows the customer to deploy multiple gauges on the same conductor cable going to surface, reducing the length of conductor cable needed.

The WYE Splice is characterized by its crimp/crimp electrical connection and metal to metal seals. The WYE splice is easy to install and provides a reliable electrical and mechanical connection.

Benefits

The WYE Splice reduces the length of conductor cable needed, therefore reducing the cost of the job.

Features

- o Crimp/Crimp Electrical Connection
- o Corrosion Resistant NACE MR0175
- Metal to Metal Seals
- Single or Multi Conductor

WYE Splice

Material	TEC Size	Part No.
Sweet (17-4x SS316)	-0.25" OD x 0.25" OD x 0.25"	101855
Sour (Inconel 625, Hastelloy C-276)	OD 0.23 OD x 0.23 OD x 0.23	101887
Sweet (17-4x SS316)	-0.125" OD x 0.125" OD x	101876
Sour (Inconel 625, Hastelloy C-276)	0.125" OD x 0.125" OD x	101891

Multi Conductor WYE Splice

Material	TEC Size	Part No.
Sweet (17-4x SS316)	-0.25" OD x 0.25" OD x 0.25"	102410
Sour (Inconel 625, Hastelloy C-276)	OD	102413



Max External Pressure	20,000 psi
Max External Temperature	150°C





Summary

Application

TEC wire provides an electrical connection between the tool string and the wellhead. The TEC wire comes in $\frac{1}{4}$ " and $\frac{1}{8}$ " OD and has a number of options for insulation, armor and encapsulation.

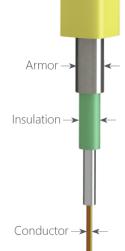
Encapsulation (Optional)

Encapsultion

Wire Size	Encapsulation Size	Material
		Polypropylene - Standard
1/8" OD	0.25" Round	Santoprene
		Rislan - Diesel Protection
1/4" OD		Polypropylene - Standard
	11mm x 11mm	Santoprene
		Rislan - Diesel Protection
		Polypropylene - Standard
	0.375" Round	Santoprene
		Rislan - Diesel Protection

Armor

Wire Size	Туре	Wall Thickness	Pressure
1/0" OD	316SS0.024" Triple Inconel 825 Tube		20,000 psi
1/8" OD			
	316SS	0.028"	17,500 psi
		0.035"	25,000 psi
1/4" OD		0.049"	32,500 psi
1/4" OD		0.028"	20,000 psi
	Inconel 825	0.035"	27,500 psi
		0.049"	35,000 psi



Insulation

Wire Size	Туре	Maximum Temperature
1/8" OD	Teflon	200°C
	Halar E	100°C
1/4" OD	Halar P	150°C
	Teflon	200°C

Conductor

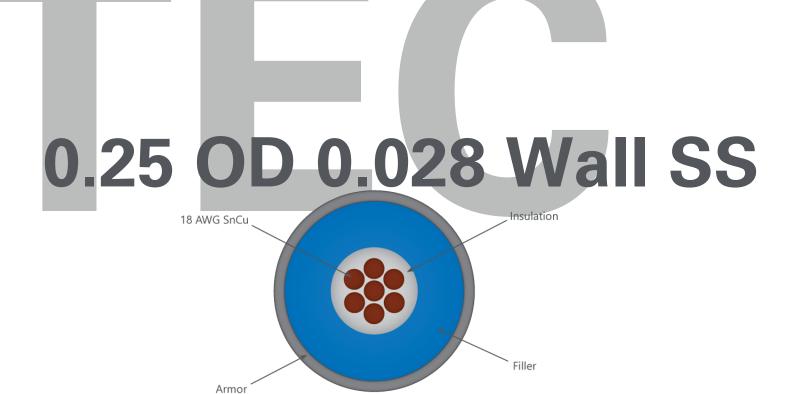
Wire Size	Gauge
	22 AWG
1/8" OD	18 AWG
	16 AWG
1 /// 00	18 AWG
1/4" OD	16 AWG

Tensile Strength

OD	Material	Wall	Burst Pressure	0.2% YS	UTS.
0.125 in	I825	0.22 in	31,496 psi	676 lb	1,068 lb
0.125	SS316	0.22	31,496	641	1,068
0.25	I825	0.028	20,283	1,851	2,929
0.25	I825	0.035	25,000	2,246	3,546
0.25	I825	0.049	35,317	2,939	4,641
0.25	SS316	0.028	20,283	1,758	2,929
0.25	SS316	0.035	25,000	2,128	3,546
0.25	SS316	0.049	35,317	2,785	4,641



60



Armored cable for artificial lift downhole monitoring systems.

Features

- o 18 AWG Copper conductor
- o 150°C Rated Blue Polyolefin Filler
- o 316L Stainless Steel

Dimensional Specifications

	Value (in)	Tolerance (in)
Conductor Diameter	0.0460	+ 1 %, - 5%
Insulated Diameter	0.0980	± 0.002
Insulation Wall	0.0260	± 0.002
Filler Diameter	0.194	
Filler Wall	0.048	
Filler Concentricity	80	
Armor Diameter	0.250	± 0.002
Armor Thickness	0.028	+ 0.0005, - 0.0025
Roundness	0.001	0.002 max
Encapsulation Min. Axis	0.433	± 0.024
Encapsulation Max. Axis	± 0.024	± 0.024

Dimensional Specifications

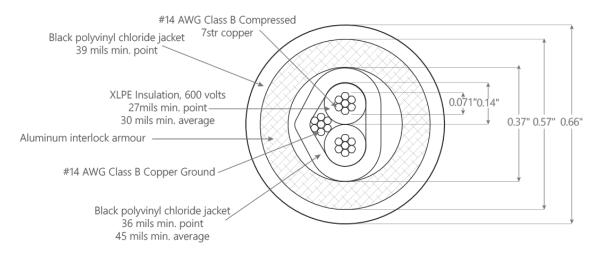
	Value	Tolerance
Armor Tensile Strength (psi)	135,000	± 35,000
Armor Yield Strength (psi)	125,000	± 35,000
Armor Elongation	15%	± 10%
Tube Hardness (HRc)	30	35 max
Cable Collapse Pressure (psi)	17,500	± 5,000
Cable Working Pressure (psi)	13,125	
Core Pullout Force (lbf)	10	5 min, 55 max
Filler Stripping Force (lbf)	20	10 min, 30 max
Cable Weight (lb/1000')	146	± 15
Service Temperature Range	100°C	-25°C to 150°C

Electrical Specifications

	Temperature	Value	Tolerance
Conductor Resistance	20°C	7	7 (max)
(Ω/1000')	150°C	11	11 (max)
Armor Resistance	20°C	18.5	± 2.0
(Ω/1000')	150°C	19.1	± 2.0
Capacitance (pF/ft)	20°C	29.9 max	
	150°C	27.5	
Insulation Resistance (M Ω -1000')		6,500 min	
Velocity of Propagation (%Vel. Light)			
Cutoff Frequency (MHz)		72.2	± 0.2
Effective Impedance (Ω)		22,425	± 1,500
Effective Inductance (uH/ft)		0.08	± 0.01
Voltage Rating 3kV 5 min		1,000 V	



Surface Cable



Application

Connection cable from the surface panel to the wellhead.

Features

- o CSA Standard C22.2 No. 131 Compliant
- o Cross-linked Polytheylene (XPLE) Insulation
- ∘ -40°C to 90°C
- o Oil and Chemical Resistance

600 Volt #14 Teck 90

Part No.	Description
101162	Wire_TECK_14 AWG_2 Strand_Armoured
101163	Connector_1/2" TECK_Explosion Proof



DataCan offers either an Air Spooler or Hydraulic Spooler, both of which are used to run conductor cable into the well. Both spoolers come with through spool communication via two conductor split ring. The spooling units have up to 60" diameter spool capacity and a split bearings and shaft for easy spool changes.

The Air Spooler comes with an air driven, 5 HP, variable speed motor. It has a bi-directional drive with free spooling. This means, during completion, the spooling unit supplies just enough force to produce tension on the line so the wire can follow the depth of the tubing as the tubing is installed. The Air Spooler requires compressed air to operate. For best operation, supply should provide a minimum of 20 cfm at 50 psi. Reduce pressure flow will reduce the amount of force provided by the unit and will reduce its operating speed.

The Hydraulic Spooling Unit comes with a gas driven, 14 HP, 404cc variable speed motor, with a gas reservoir included, making it self-sufficient. It is often used in drop spool applications, where the depth of the conductor cable is controlled by the spooler.

Benefits

Since the Air Spooler has free spooling, it does not need a full time operator during installation, making it more cost effective.

Both Spoolers are designed for easy spool replacement. The built in dual conductor split ring allows users to get real time data during install.

Features

- o Air Driven 5 HP Variable Speed Motor or Gas Driven 14 HP, 404cc Motor
- o Bi-Directional Drive
- Up to 60" Diameter Spool Capacity
- o Split Bearings and Shaft for Easy Spool Changes
- o Through Spool Communication via 2 Conductor Slip Rings

Spooling Unit

Description	Part No.
60" Capacity Air Actuated Skid	102138
60" Capacity Hydraulically Actuated Skid	107286

Optional Equipment

Description	Part No.	
Metric Measuring Head	AM600UU0001	
Imperial Measuring Head	AM600UU0002	
Measuring Head Arm	107373	

Installation Equipment

Description	Part No.
Slickline Sheave (25 inch)	100691
Installation Tool Kit	104271
Wiper	102863





The Hanger Feedthru Connector is installed at the tubing hanger and provides a pressure seal while allowing the downhole cable to pass through and exit the wellbore.

Benefits

The Hanger Feethru Connector is quick and easy to install while being reliable and very cost effective.

Features

- o Excellent Gas-Tight Sealing and Tube-Gripping Action
- o Easily Achieved Proper Installation
- o Consistent Remakes
- Excellent Vibration Fatigue Resistance and Tube Support
- Full Compatibility with Original Swagelok Stainless Steel Tube Fittings of Identical Sizes

Spooling Unit

Tubular Size	Connection	Part No.	
	1/2" NPT	102173	
1/4"	3/8" NPT	102102	
	1/4" NPT	102096	
1/2"	1/2" NPT	102120	
	1/4" NPT	103528	

Installation Equipment

Body Material	Stainless Steel
Body Type	Male Connector
Series	Swagelok tube and adapter fittings
Bore Thru	0.255" Suitable for 1/4" TEC



Spare Parts

Application

It is possible that some small parts may become lost, dropped, or damaged. For every installation, DataCan recommends bringing spare parts.

Features

- Extra fuses for the surface box
- o Extra connectors for the connection to the downhole gauge
- o Extra o-rings, and ferrule sets for the cablehead



Description	Material	Part No.
Fuse (1/2 A, 250 V)	Ceramic	101816
Connector	Brass	10137

Ferrules

Description	Material	Part No.
	SS 316	100060
1/4"	PTFE	10089
	Inconel	101841
1 /0"	SS 316	100555
1/8"	Inconel	101842

O-Rings, Back-Ups

Туре	Material	Part No.
O Ding 2 100	HNBR	101135
O-Ring 2-109	Viton 90	101815
	HNBR	10086
	Viton 75	101609
O-Ring 2-014	Viton 90	100029
	Chemraz 510	100796
	Aflas 718 2B	100795
	PEEK	100256
O-Ring 2-109	Viton 90	100801
	Teflon	100912









DataCan's Permanent Pressure Test is a bench test for permanent gauges to verify operation through a range of pressures. Gauges can be tested up to 7,000 psi.

Permanent Pressure Test Assembly

Pressure	Part No.
7,000 psi	100244

	Pressure
Needle Valve	10,000 psi
Dial Gauge	7,000 psi

This all started with a ping-pong table...

We were four friends with two things in common: a knack for engineering and no jobs. After the 2006 oil crash, we began using James' basement to meet and create downhole tools. Although the basement wasn't our ideal workspace, we made it work, including using an old ping-pong table as a surface to stage our shipments.

We wanted to make downhole pressure gauges that were easy to use and that worked all of the time. At the time, too many downhole elctronic products had high failure rates. Thankfully, Katie found the calibration system too noisy. Along with the ping-pong table, we moved into a massive 1,500 square foot commercial space. It seemed like a huge risk.

Slowly but surely, we began to develop new designs and the foundation for a healthy small business. A daring few joined us and today our family has grown into a team of almost fifty people. We occupy two offices in two countries with about 20,000 square feet of space (slightly bigger than a basement). We opened a branch in Houston, TX and were awarded Red Deer Canada's '2019 Business of the Year' award.

Although we've changed a lot over the last fourteen years, one thing remains the same...that ping-pong table looks good in our offices.

James Wright

Mark Hartwell

Sheldon Nedeau

Julden Nade

Brad Pound