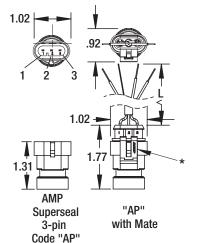
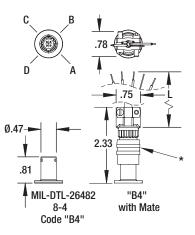
AMP Superseal 3-Pin		
Voltage	4-20mA	Wire
Ouput	Output	Color
Common	V-	Black
Output	V-	White
V+	V+	Red
	Voltage Ouput Common Output	Voltage 4-20mA Ouput Output Common V- Output V-

* Pull on the tab to unlatch to unplug

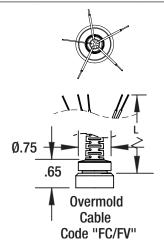


B4	MIL DTL 26482 4-Pin		
Pin	Voltage Ouput	4-20mA Output	Wire Color
Α	V+	V+	Red
В	Output	N/A	White
С	Case GND	Case GND	Green
D	Common	V-	Black

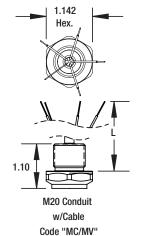
* Twist counter clockwise while pressing down the receptacle to unplug



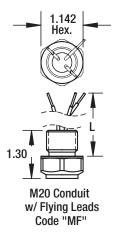
FC, FV	Over-m	Over-mold Cable		
Pin	Voltage	4-20mA	Wire	
1 1111	Ouput	Output	Color	
-	V+	V+	Red	
-	Common	V-	Black	
-	Output	N/A	White	
-	Case GND	Case GND	Green	



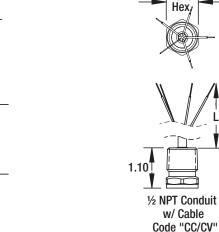
MC, MV	M20 Co	M20 Conduit With Cable		
Pin	Voltage Ouput	4-20mA Output	Wire Color	
-	V+	V+	Red	
-	V-	V-	Black	
-	Output	Output	White	
-	Case GND	Case GND	Green	
-	N/C	N/C	Drain	



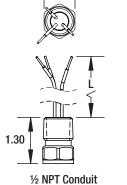
ИF	M20 Co	nduit Flying	Leads
Pin	Voltage	4-20mA	Wire
ГШ	Ouput	Output	Color
-	V+	V+	Red
-	Common	V-	Black
-	Output	N/A	White
-	Case GND	Case GND	Green



CC, CV	½″NPT	Conduit Witl	n Cable	
Pin	Voltage Ouput	4-20mA Output	Wire Color	
-	V+	V+	Red	
-	V-	V-	Black	
-	Case GND	Case GND	Green	
-	N/C	N/C	Drain	
	.875			



CF	½" NPT Leads	Conduit Wi	th Flying
Pin	Voltage	4-20mA	Wire
F III	Ouput	Output	Color
-	V+	V+	Red
-	Common	V-	Black
-	Case GND	Case GND	Green
-	Ouput	N/A	White
. 075			

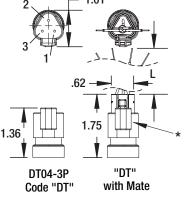


w/ Flying Leads

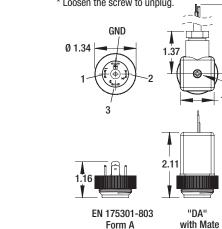
Code "CF"

DT	Deutscl	Deutsch DT04-3P		
Pin	Voltage Ouput	4-20mA Output	Wire Color	
1	V+	V+	Red	
2	Output	V-	White	
3	Common	V-	Black	

* Press the latch to unplug.



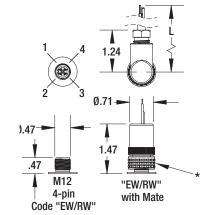
DA	Hirschm Form A	ann EN 1753	801-803	
Pin	Voltage	4-20mA	Wire	
FIII	Ouput	Output	Color	
1	V+	V+	Red	
2	Common	V-	Black	
GND	Case GND	Case GND	Green	
3	Output	N/A	White	
* Loosen the screw to unplug.				



E۷	,RW	/12 4-F	PIN		
Pin	RW Voltage	RW 4-20mA	EW Voltage	EW 4-20mA	Wire
	Output	Output	Output	Output	0010
1	V+	V+	V+	V+	Red
2	Output	V-	Case GND	Case GND	White
3	Case GND	Case GND	Common	V-	Gree
4	Common	V-	Output	V-	Blac

Code "DA"

Twist the nut counter clockwise to unplug.



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WARNING: Specific Conditions of Use. See Installation Drawing 825A030

HAZARDOUS (CLASSIFIED) AREA

2-wire Current Output

3-wire Voltage Output

3-wire Voltage Output

0-10 V, 1-11 V, 0.1-10 V

0-5 V, 1-5V, 1-6 V, 0.1-5 V, 0.5-4.5 V

4-20 mA, 20-4 mA

E2S PRESSURE TRANSDUCER

Ashcroft Drawing 825A030

General Notes

- Control equipment connected to Associated Apparatus must not use or generate more than 250 Vrms or Vdc
- Associated apparatus manufacturer's installation drawing must be followed when installing this equipment.
- Run shielded interconnection cable with shield connected to FM approved associated apparatus ground.
- Must use class 2/SELV power supply. Warnings
- Do not disconnect equipment unless area is known to be non-hazardous.
- Substitution of components may impair suitability for hazardous (classified) locations.
- No revision to drawing without prior approval from FM
- Once the type of protection has been marked on the label, it shall not be changed.

Specific Conditions of Use

- The pressure transducer does not withstand a 500 Vrms dielectric strength test between the circuit and the earth ground. This must be taken into account during instal-
- Some of the pressure transducers may include connectors that are cor structed of plastic. To prevent the risk of electrostatic sparking, the plastic surfaces should only be cleaned with a damp cloth. The risk of electrostatic discharge shall be minimized at installation, following the direction given in the instruction manual.
- The equipment is assembled with inputs rated Ex ia/Division 1 and when connected to approved Ex [ia] barriers (associated apparatus), the I.S. circuit is suitable for Zone 0 / Division When the equipment is connected to approved Ex [ic] barriers, the equipment rating becomes Ex ic / Division 2 (Non-incendive) and the I.S. circuit is suitable only for Zone 2 / Division 2.
- The designated installation for Intrinsically Safe or Non-incendive protection is selected on the Ex Marking label using a permanent marking method prior to installation by applying a mark into the reserved checkbox for the protection.

E2S INTRINSICALLY SAFE INSTALLATION

Class I, Division 1, Group A, B, C, D T4 -40°C \leq Ta \leq 80°C Class I, Zone O, AEx ia IIC T4 Ga -40°C ≤ Ta ≤ 80°C Class I, Zone 2, AEx ic IIC T4 Gc -40° C \leq Ta \leq 80°C II 1 G Ex ia IIC T4 Ga -40° C \leq Ta \leq 80 $^{\circ}$ C

II 3 G Ex ic IIC T4 Gc -40° C \leq Ta \leq 80 $^{\circ}$ C

Entity Parameters:

Ui < 30Vdc, Ii < 100mA, Pi < 0.7W, Li $= 32.8\mu$ H, Ci = 36.2nF [if e= 24, 42, Cx for 2-wire Current Output]

Ui < 28Vdc, Ii < 85mA, Pi < 0.7W, Li = 36μ H, Ci= 72.9nF [if e= 05, 10, 11, 12, 13, 15, 16, 45, Vx for 3-wire Voltage Output]

- The Intrinsic Safety Entity concept allows the interconnection of two intrinsically safe devices with entity parameters not specifically examined in combination as a system when: Uo or $Voc \le Vmax$, lo or $Isc \le Imax$, Ca or $Co \ge Ci + Ccable$, La or Lo \geq Li + Lcable. Po \leq Pi.
- The Associated Apparatus must be FM Approved under Intrinsic Safety Entity concept.

E2S NON-INCENDIVE INSTALLATION

if e= 24, 42, Cx for 2-wire Current Output]

Non-Incendive Parameters:

or Lo \geq Li + Lcable, Po \leq Pi.

applicable National regulations.

Class I, Division 2, Group A, B, C, D T4 -40°C \leq Ta \leq 80°C

Ui < 30Vdc, li < 100mA, Pi < 0.7W, Li $= 32.8\mu$ H, Ci = 36.2nF [

Ui < 28Vdc, li < 85mA, Pi < 0.7W, Li = 36μ H, Ci= 72.9nF [if

e= 05, 10, 11, 12, 13, 15, 16, 45, Vx for 3-wire Voltage Output]

. The Non-Incendive Field Wiring concept allows the intercon-

nection of two devices with non-incendive parameters not

specifically examined in combination as a system when: Uo

or $Voc \le Vmax$, lo or $Isc \le Imax$, Ca or $Co \ge Ci + Ccable$, La

Intrinsic Safety Entity or Non-Incendive Field Wiring concept

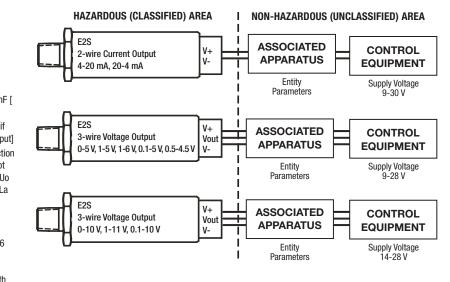
• The Associated Apparatus must be FM Approved under

Installation should be in accordance with the National

Electrical Code (ANSI/NFPA70) Section 504 and 505 or

in accordance with European Standard EN60079-14 and

 Installation should be in accordance with ANSI/ISA RP12.6 "Installation of Intrinsically Safe systems for Hazardous (Classified) locations" and the National Electrical Code (ANSI/NFPA70) Section 504 and 505 or in accordance with European Standard EN60079-14 and applicable National regulations.



NON-HAZARDOUS (UNCLASSIFIED) AREA

CONTROL

EQUIPMENT

Supply Voltage

9-30 V

CONTROL

EQUIPMENT

Supply Voltage 9-28 V

CONTROL

EQUIPMENT

Supply Voltage

14-28 V

ASSOCIATED

APPARATUS

Non-Incendive

Parameters

ASSOCIATED

APPARATUS

Non-Incendive

Parameters

ASSOCIATED

APPARATUS

Non-Incendive

Parameters



23CA80101890X

Intrinsically Safe Installation Class 1. Division 1

CLI DIV 1 A, B, C, D T4, Ex ia Group A, B, C, D Ex ia IIC T4 Ga T4 (-40°C \leq Ta \leq 80°C)

Non-Incendive Installation Class I. Division 2 CLI DIV 2 A. B. C. D

Group A, B, C, D T4 (-40°C \leq Ta \leq 80°C)

Ex ic IIC T4 Gc



FM18US0309X

Intrinsically Safe Installations: Class I, Zone 0, AEx ia IIC T4 Ga -40°C ≤ Ta ≤ 80°C Class I, Zone 2, AEx ic IIC T4 Ga -40°C ≤ Ta ≤ 80°C



II 1 G Ex ia IIC T4 Ga -40° C \leq Ta \leq 80 $^{\circ}$ C II 3 G Ex ic IIC T4 Gc -40°C ≤ Ta ≤ 80°C



IECEx FMG 20.0016X

23CA80101890X

Ex ia IIC T4 Ga -40° C \leq Ta \leq 80 $^{\circ}$ C Ex ic IIC T4 Gc -40° C \leq Ta \leq 80 $^{\circ}$ C

NASHCROFT E2S-INTRINSICALLY SAFE AND NON-INCENDIVE PRESSURE TRANSDUCER

Reference E2S I&M 011-10316 for French

INSTALLATION MANUAL



WARNING! READ !\ BEFORE INSTALLATION !\

A failure resulting in injury or damage may be caused by excessive overpressure, excessive vibration or pressure pulsation, excessive instrument temperature, corrosion of the pressure containing parts, or other misuse. Consult Ashcroft Inc., Stratford, Connecticut USA before installing if there are any questions or concerns.

OVERPRESSURE:

Pressure spikes in excess of the rated over pressure capability of the transducer may cause irreversible electrical and/or mechanical damage to the pressure measuring and containing elements.

Fluid hammer and surges can destroy any pressure transducer and must always be avoided. A pressure snubber should be installed to eliminate the damaging hammer effects. Fluid hammer occurs when a liquid flow is suddenly stopped, as with quick clos ing solenoid valves. Surges occur when flow is suddenly begun, as when a pump is turned on at full power or a valve is quickly opened.

Liquid surges are particularly damaging to pressure transducers if the pipe is originally empty. To avoid damaging surges, fluid lines should remain full (if possible), pumps should be brought up to power slowly, and valves opened slowly. To avoid damage from both fluid hammer and surges, a surge chamber should be installed.

Symptoms of fluid hammer and surge's damaging effects:

- Pressure transducer exhibits an output at zero pressure (large zero offset).
- Pressure transducer output remains constant regardless of pressure
- In severe cases, there will be no output.

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FREEZING:

Prohibit freezing of media in pressure port. Unit should be drained (mount in vertical position with electrical termination upward) to prevent possible over-pressure damage from frozen media.

STATIC ELECTRICAL CHARGES

Any electrical device may be susceptible to damage when exposed to static electrical charges. Additionally these sensors may include a plastic connector, which may increase the risk of static discharge. To avoid damage to the transducer, observe the followina:

- Operator/installer should follow the proper ESD (electrostatic discharge) protection procedures before handling the pressure transducer.
- Ground the body of the transducer BEFORE making any electrical connections
- When disconnecting, remove ground LAST!

Note: The shield and drain wire in the cable (if supplied) is not connected to the transducer body, and is not a suitable ground.

may be a source of water ingress.

All units with a pressure range less than 500 psi include a small Porex filter in the unit. This is necessary to equalize the internal pressure of the unit with the atmospheric pressure. While the Porex filter is hydrophobic, if it not properly protected it

NOTE: Checkboxes provided on the label must be marked during installation. Installer - be sure to check each box as appropriate to indicate the protection methods used on a particular installation Once the type of protection has been marked it shall not be changed.

INDUSTRIAL CONTROL EQUIPMENT FOR HAZARDOUS LOCATIONS 0 / 150 PSIG ACCURACY: ± 0.25 % of SPAN BLACK: V-290 PSIG PROOF: WHITE: N/C OUTPUT 4 - 20 mA WETTED MAT'L **17-4PH. 316L SS I** _<FM>FM18US0309X IECEx FMG 20.0016X] 23CA80101890X — SUPPLY: 9-30 VDC -40°C≤Ta≤80°C .S. CL I DIV1 GP ABCD T4, Ex ia □ II1G Ex ia IIC T4 Ga □CL I ZN 0 AEx ia IIC T4 Ga ☐ II3G Ex ic IIC T4 Gc □CL I ZN 2 AEx ic IIC T4 Gc WARNING - SPECIFIC CONDITIONS OF USE: SEE INSTALLATION DWG. 825A030 & MANUAL ATTENTION - CONDITION PARTICULIÉRE D'UTILISATION: VOIR INSTALLATION DWG. 825A030 & MANUEL WARNING POTENTIAL ELECTROSTATIC CHARGING HAZARD: SEE INSTRUCTIONS AVERTISSEMENT AND RISQUE POTENTIEL DE CHARGE ÉLECTROSTATIQUE : VOIR LES INSTRUCTIONS DO NOT USE FOR OXYGEN SERVICE NE PAS UTILISER POUR LE SERVICE D'OXYGÈNE ZERO-SPAN ADJUST WARNING: A failure resulting in injury or damage may be caused by pressure beyond full scale, excessive vibration

or pressure pulsation excessive instrument temperature, corrosion of the pressure containing parts or other misuse.

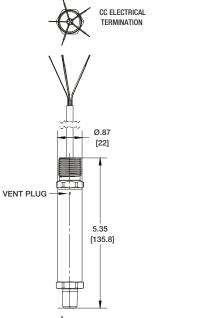
AVERTISSEMENT: Une défaillance entrainant des blessures ou des dommages peut être causée par

une pression au-delà de la pleine échelle, des vibrations excessives ou des pulsations de pression, une température

excessive de l'instrument, une corrosion des pièces contenant la pression ou par toute autre mauvaise utilisation.

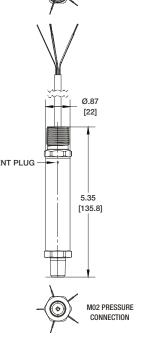
WARNING

TYPICAL DIMENSIONS AND CONSTRUCTION



CONNECTION CF ELECTRICAL MC ELECTRICAL TERMINATION TERMINATION

ASHCROFT® E2S PRESSURE TRANSMITTER.



MEK PRESSURE

CONNECTION

CONNECTION

DESCRIPTION

The Ashcroft® Model E2S is ideal for a broad range of pressure sensing requirements found in general and heavy industrial applications as well as applications in test and measurement. The E2S offers a wide variety of material, process and electrical connections to meet your application reguirements. It is designed for use with both liquids and gases it provides an accurate reliable and highly repeatable output. This is accomplished through the use of an onboard microprocessor that is programmed during a unique digital compensation process to provide an extremely linear performance over the entire specified pressure and temperature range. **SPECIFICATIONS**

Reference condition: 70 °F (21 °C) **Accuracy:** $\pm 0.25\%$, $\pm 0.50\%$ or $\pm 1.00\%$

of Span Terminal Point (* includes linearity, hysteresis, repeatability zero offset and span) **Repeatability:** $\leq \pm 0.1$ % of Span

Stability: ±0.25% of Span / Year

Zero / Span Adjustment: ±5% of Span Standard Ranges: VAC to 20,000 psi

ENVIRONMENTAL SPECIFICATIONS

Enclosure Rating:

(Self-Certified by Ashcroft, Inc.): IP66, IP67 or NEMA 4X (enclosure rating depending on electrical connector)

Temperature Limits:

Storage Temp: -50 to 125 °C

Operating Ambient Temp: See drawing 825A030 for ambient temperature limits. Media Temp: See drawing 825A030 for media temperature limits.* (0-100% R.H.

non-condensing)

Temperature Coefficients: Zero & Span ±0.009%/°C within -40 to 80 °C

Vibration: Random: 10g RMS 20-2000 Hz **Shock:** 80g Peak, 6 msec, 3 axes, haversine

Proof pressure: 1.2X -2X the range **Burst pressure:** 3X-8X the range mini



FUNCTIONAL SPECIFICATIONS

EMC		
EMC:	Directive 2014/30/EU, and EN61	326-1, EN61326-2-3 (Industrial Env.)
Immunity:	61000-4-2 (ESD)	±4kV/±8kV (Contact/Air)
	61000-4-3 (Radiated RF)	10 V/m to 1GHZ, 3 V/m to 2GHz, 1 V/m to 2.7G
	61000-4-4 (EFT/Burst)	±1kV (5/50ns, 5kHz)
	61000-4-5 (Surge)	±1kV, Earth to Shield over all I/O lines
	61000-4-6 (Conducted RF)	3V (0.15 to 80MHz)
	61000-4-8 (Line Freq. Magnetic)	30A/m
Emissions:	EN 55011 (CISPR 11) Class A, G	roup 1 & FCC (47 CFR 15)

ELECTRICAL SPECIFICATIONS

Intrinsically Safe and Non-Incendive Installations NOTE: For Intrinsically Safe and Non-Incendive Installations refer to Entity Parameters on

Ashcroft drawing 825A030 (wiring and installation).

Supply Current: <8 mA (Vout) INSTALLATION AND ASSEMBLY

Response Time (Output): 4 msec Power-Up Response Time: 100 msec the device. **Current Source/Sink for Voltage Output:**

1 mA (Source) / 0.1mA (Sink) maximum Withstand/Breakdown: 100 Vdc / 100 Vac Optional 500 Vdc / 500 Vac

Insulation Resistance: >100 M @ 30 V RoHS2: Yes

MECHANICAL SPECIFICATIONS

2.0" Tri-Clamp

Process Connections: Male NPT (1/8, 1/4 and 1/2). Female NPT (1/8, 1/4 and 1/2), 1/16-20 UNF SAE (Male and Female), MIL 33656 (UNJF 7/16-20 w/ 37° Cone), G1/4" B EN837-1, G1/2" B EN837-1, G1/4" A DIN3852-E, Autoclave HP ⁷/₁₆" (AMINCO), R1/4, R 1/2, 1/4" Male VCR, 1/4" Female VCR, R1/4 ISO 7/1, 1.5" Tri-Clamp.

Electrical Connections: Amp Superseal, Deutsch DT04-3P, Hirschmann EN175301-803 Form A. Hirschmann EN175301-803 Form C. Metri Pak, Mini Hirschmann, M12 (4 Pin), MIL DTL 26482 (4 Pin), Overmolded Cable, ½" NPT Conduit with Flying Leads, M20 Conduit Connection with Flying Leads, 1/2" NPT Conduit Connection with Cable, M20

Conduit Connection with Cable

Diaphragm Materials: 17-4PH Stainless steel, 316L Stainless steel or A286 Stainless

Note: Cable can be vented or unvented.

All supply lines should be arranged so that there are no mechanical forces acting on

For units with NPT type pressure fittings apply Teflon® tape or an equivalent sealant to the threads before installing. When tightening, apply a wrench to the hex wrench flats located just above the pressure fitting DO NOT tighten by using a pipe wrench on the housing.

Process connection:

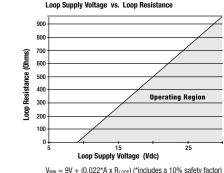
media to be measured.

- By authorized and qualified personnel only. All lines need to be depressurized when
- the instrument is being connected. Appropriate steps must be taken to pro-
- tect the device from pressure surges. Check the suitability of the device for the
- Maximum pressures shall be observed.
- Check that all connections are tight before use.

If during installation the pressure measuring lines are already under pressure, the zero point cannot be checked and no settings can be adjusted. In these cases, the device should only be connected electrically first.

Electrical connection: Reference: Drawing 825A030

FOR TRANSMITTERS WITH 4-20mA OUTPUT SIGNAL. THE MINIMUM VOLTAGE AT THE TERMINAL IS 9VDC



RLOOP = RSENSE + RWIRING

R_{LOOP} = Loop Resistance (Ohms) Rsense = Sense Resistance (Ohms) R_{WIRING} = Wire Resistance (Ohms)

For minimum noise susceptibility, avoid running the transducers cable in a conduit that contains high current AC power cables. Where possible avoid running the cable near inductive equipment.

Shielded Cable

Units with shielded cable electrical termination, connect the drain wire to the guard terminal on the read out device or measuring instrument, if available. In all other cases connect to the ground or to the power supply negative terminal.

Danier Time Official Value Ones Value

Kange Type	Offset Value	Span value
0 to Positive Pressure Range	0	Full Range
0 to Vacuum	Vacuum	0
Compound (Vac to pressure range)	Vacuum	Full Range
Absolute	Absolute Zero	Full Range Absolute

Offset and Span adjustments WARNING! Disconnect the E2S transducer

- from the control system prior to performing offset and span adjustments.
- 2. Activate calibration mode by first cycling power off and on, and then within 30 seconds tap the Ashcroft calibration magnet near the specified area on the E2S label. The initial code to enter the calibration mode is 1-3-1 (Tap the unit for one second. release. Tap unit for three seconds, release, tap unit for one second, release).

1. When the calibration mode has been activated the output signal on the transducer will drive from over range to under range.

2. At the offset pressure record output offset to be used in the span adjustment in step 4. Increase pressure to 100% of span, this will allow you to adjust the span of the unit. The span is adjustable to +/- 5% of full scale.

3. Tap the magnet near specified area on

the E2S label. Adjust span to desired span value plus the offset value recorded in step 3. (The span will increase from its current value up to +5% of scale. Once the output has reached the max value, the span will jump to -5% and continue to increase. (Note - holding the magnet in position while adjusting the span will increase the speed at which the span increases or decreases. Once you get close to your desired setting you should tap the magnet against the unit for finer adjustment. If you scroll past your desired value, repeat step three until you have reached your desired span value. 4. Decrease the pressure to 0% of span.

this will allow you to adjust the zero of

5. Tap magnet near specified area on the E2S

label. Adjust the offset to the desired value.

(The offset will increase from its current

value up to +5% of scale. Once the offset

will jump to -5% and continue to increase.

output has reached the max value, the zero

(Note - holding the magnet in position while

adjusting the offset will increase the speed

at which the offset increases or decreases

Once you get close to your desired setting

against the unit for finer adjustment. If you

scroll past your desired value, repeat step 6

until you have reached your desired offset

6. Once you have completed step 6, you can

Once you have verified the calibration, the

signaled by the output of the transducer

The device does not require maintenance. In

order to ensure reliable operation and a long

service life of the device we recommend regu-

to the normally calibrated output.

lar checking of the device as follows:

repeat step 3 through 6 to adjust or check

unit will exit the calibration mode after 30

seconds of magnetic inactivity. This will be

driving to over range, under range and back

vou should release the magnet and tap it

the unit. The offset is adjustable to

+/- 5% of full scale.

vour calibration

MAINTENANCE

Remaining process media in and on dismantled measuring instruments may cause danger to persons, environment and equipment. Take reasonable precautions! Clean the instrument thoroughly if necessary. To return the unit please choose the original packaging or a packaging intended for transport.

tion lines.

TRANSPORT

SERVICE

to ship the return.

WARNING

The exact test cycles have to be adapted to

the operating and environmental conditions.

different device components. Note: When not

The product must be protected against severe

impacts therefore transport is to be effected

only in the packaging intended for transport.

E2S transducers are not for repair. All defec-

tive or faulty devices are to be sent directly to

Ashcroft Inc. We would ask you to coordinate

ment. Our inside sales department will issue

an RMA number and give instructions on how

all device returns with our inside sales depart-

isntalled, ensure that the non-metallic parts

avoid exposire to UV sources

Incorrect disposal can put the environment at risk. Kindly help us protecting the environment and dispose of or recycle the used products in accordance with the relevant regulations.

С	Hirshman EN 175301-803 Form C			
Pin	Voltage	4-20mA	Wire	
1 111	Ouput		Color	
1	V+	V+	Red	
2	Common	V-	Black	
3	Output	N/A	White	
GND	Case GND	Case GND	Green	

"DC"

with Mate

.81

EN 175301-803

* Loosen the screw to unplug.

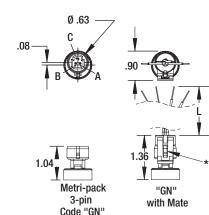
• Check the function in connection with system components.

 Check the tightness of the pressure connec-Check the electrical connections.

4-20mA Wire Color Output Common Α Black В V+ The operating manuals of all other devices are Output С White also to be observed if there is an interaction of

3-Pin Metri Pack

* Pull on the tab to unlatch to unplug.



VI	IVIIII-IIII	Schillanii C	44441L
Pin	Voltage	4-20mA	Wire
	Ouput	Output	Colo
1	V+	V+	Red
2	Common	V-	Black
3	Output	V-	White
4	Case GND	Case GND	Gree

* Loosen the screw to unplug

