Configurations

Mil-C-5015

4-20 mA Output:
-> Between Pin B (-) and Pin A(+)

Standard Cordset:
30.01-II2-5(01-DD)-A01 (Polyurethane)
31.01-II2-5(02-DD)-A01 (Teflon FEP)

4-20 mA Output:
-> Between White (-) and Red (+)
Raw Output (DAor DV):
-> Not available

Temperature output (T0) :
-> Not available

DD=2, 5, 10, 15, 23, 30, 40, 50, 60 meters.

M12 (glass seal)

4-20 mA Output:
-> Between Pin 2(-) and Pin 1(+)
Raw Output (DAor DV):
-> between Pin 2(-) and Pin 4(+)
Temperature Output (T0)
-> between Pin 3(-) and Pin 4(+)

Standard Cordset:
20.01-E02-5(31-DD)-A01 (Polyurethane)
21.01-E02-5(35-DD)-A01 (Teflon FEP)

4-20 mA Output:
-> Between White (-) and Brown (+)
Raw Output (DAor DV):
-> between White (-) and Black (+)
-> Blue : Not Connected
Temperature output (T0) :
-> between Blue (-) and Black (+)

DD=2, 5, 10, 15, 23, 30, 40, 50, 60 meters.

M12

Same as M12 glass seal

Integral Cable
5 (CC-DD)

5(01-DD) Polyurethane
5(02-DD) Teflon FEP
4-20 mA Output:
-> Between White (-) and Red (+)

5(03-DD) (Radox)
4-20 mA Output
-> Between White 1 (+) and White2 (-)

5(12-DD) (Teflon)
4-20 mA Output
-> Between White (-) and Red (+)
Raw Output (DAor DV):
-> Between White (-) and Black(+)

5(13-DD) (Radox)
4-20 mA Output
-> Between White 2 (-) and White 1 (+)
Raw Output (DAor DV):
-> Between White 2 (-) and White 3 (+)

5(31-DD) Polyurethane
4-20 mA Output
-> Between White (-) and Brown (+)
Raw Output (DAor DV):
-> Between White (-) and Black (+)
-> Blue : Not Connected
Temperature output (T0) :
-> Between Blue (-) and Black (+)

DD=2, 5, 10, 15, 23, 30, 40, 50, 60 meters.

Integral cable with overbraid B=7
7(CC-DD)

7(01-DD)
7(02-DD)

Same wiring color as 5(01-DD)

7(03-DD)
Same wiring color as 5(03-DD)

7(12-DD)
Same wiring color as 5(12-DD)

7(13-DD)
Same wiring color as 5(13-DD)

DD=2, 5, 10, 15, 23, 30, 40, 50, 60 meters.

Integral cable with protection conduit
8 (CC-DD)

8(01-DD)
8(02-DD)
Same wiring color as 5(01-DD)

8(03-DD)
Same wiring color as 5(03-DD)

8(12-DD)
Same wiring color as 5(12-DD)

8(13-DD)
Same wiring color as 5(13-DD)

8(31-DD)
Same wiring color as 5(31-DD)

DD=2, 5, 10, 15, 23, 30, 40, 50, 60 meters.

Specifications (24°C)

Dynamic

Sensitivity	
No vibration	4 mA ±5%
Full scale	20 mA ±5%
Transverse response sensitivity (20Hz, 5g)	<5%
Linearity	±1% Max
Accuracy (Repeatability)	±1% Max
Turn on time, 4-20 mA loop	< 10 Sec

Optional Output :

Temperature output T0 (powered by 4-20 mA current loop)

	Vout=10mV/°C * Temp.(°C)
	0 VDC at 0°
	Range+2° to 120°C

Dynamic acceleration DA (powered by 4-20 mA current loop)

Signal	2.4VDC ± 2V
Sensitivity (SRXX, SPXX, VRXX, VPXX, ARXX, APXX)	20 mV/g ± 10%
Frequency response (±10 %)	3 Hz - 10 kHz
Dynamic	100 g
Sensitivity (VSXX, VQXX, ASXX, AQXX)	4 mV/g± 10%
Frequency response (±10 %)	3 Hz - 10 kHz
Dynamic	500 g
Maximum transmission length (without distortion)	10 m

Dynamic velocity DV (powered by 4-20 mA current loop)

Signal	2.4VDC ± 2V
Sensitivity (SRXX, VRXX, VPXX, ARXX, APXX)	100 mV/ips ± 10%
Frequency response (±10 %)	3 Hz - 2 kHz
Sensitivity (VSXX, VQXX, ASXX, AQXX)	100 mV/ips± 10%
Frequency response (±10 %)	3 Hz - 2 kHz
Maximum transmission length	10 m

Electrical

Electrical Grounding	Isolated from machine ground
Isolation(Case to shield)	100 MΩ Min
Maximum Loop resistance	Rl Max=(Vdc power - 10V) / 20mA
Minimum Rl wattage	Watt min=0.0004xRl
Power requirements for two wire loop Voltage	+10 to +30 VDC
Protection	
Overvoltage	Yes
Reverse polarity	Yes
ESD Protection	> 40 V

WARRANTY:
Dommage to the built-in electronics resulting from the application of incorrect power is NOT covered by warranty.

Environmental

Temperature, operating continuous (Standard version, not Atex)	
max. loop current =10mA	-55 to 120 °C (-65 to 250 °F)
max. loop current =20mA	-55 to 90 °C (-65 to 212 °F)

Humidity / Enclosure		
	M12-MIL Glass seal	Glass seal, Not affected, hermetically sealed, 1E-8 torr.l/s, >IP68
	M12 (-3 option)	IP67
	M12 (-3 option) with IP68 M12 cordset plugged	IP68
	Integral cable	> IP68, 50 meters Submersible available
Acceleration limit		
	Shock	2 500g peak
	Continuous vibration	500g peak

Physical

Drawing, outline	425.51_Out
Weight with connector	70 gr Nom (2.5 Oz)
Weight with Integral cable : add sensor weight above + …	
5(CC-DD)	40gr/m
7(CC-DD)	60 gr/m
8(CC-DD)	105 gr/m
Material	AISI 316L, DIN 1.4404 (Stainless steel)
Mounting torque (M6, M7, M8 suffix)	2,4 N.m (21 in-lbs)

European Directive

EMC Directive		2014/30/EU
	Standards	61326-1
RoHS Directive		2011/65/EU
	Certificate	101.51-YN_Rohs2
CE Declaration		500600.02

Atex & IECEx Approval (YY=Y1) : PENDING

Atex Directive	2014/34/EU
Standards	EN 60079-0, Atex General
	EN 60079-11, Intrinsic safety, Gas, Dusts
	IEC 61241-0, Atex General
	IEC 61241-11, Intrinsic safety, Dust
Certificate	BASEEFA ATEX XXX
	IECEx XXXXXX
Installation Drawing (pending)	425.51-Y1-IMI
EU Declaration of Conformity (pending)	425.51-Y1_EUDC

Mounting Instructions

English	500502.01_EN
German	500502.01_DE
French	500502.01_FR
Arab	500502.01_AR

Calibration certificate, supplied

Supplied	7.6 x 5.1 cm Adhesive Paper certificate (inside the packing box)

Calibration certificate, separate A4 (21x29.7 cm), not supplied

504.01	4-20mA vibration A4 calibration Certificate

Accessories, not supplied

Cable assembly for sensor with (Mil connector)	
Polyurethane cable (90°C)	30.01-II2-5(01-DD)-A01
FEP Teflon cable (200°C)	31.01-II2-5(02-DD)-A01
FEP Teflon cable (200°C) protected by SSTL overbraid	31.03-II2-7(02-DD)-A03

Polyurethane cable protected by SSTL conduit dia 9.5mm	30.04-II2-8(01-DD)-A04

Cable assembly for sensor with M12 connector

Polyurethane cable (90°C)	20.01-E02-5(31-DD)-A01
FEP Teflon cable (200°C)	21.01-E02-5(35-DD)-A01
FEP Teflon cable (200°C) protected by SSTL overbraid	21.03-E02-7(35-DD)-A03
Polyurethane cable protected by SSTL conduit dia 9.5mm	20.04-E02-8(31-DD)-A04

Standard lengths (Stocked) * DD= 02, 05, 10, 20, 30, 40, 50 meters
Call us for more specific cable : additional BNC, Lemo, Fischer, …

Mounting Stud for sensor with M6 housing thread

M6 machine thread	191.01-06-06-1
1/4" 28 UNF machine thread	191.01-06-16-1
M8 machine thread	191.01-06-08-1
M10 machine thread	191.01-06-10-1

Mounting Stud for sensor with 1/4"28 UNF housing thread (H7 Option)

M6 machine thread	191.01-16-06-1
1/4" 28 UNF machine thread	191.01-16-16-1
M8 machine thread	191.01-16-08-1

Adhesive pad, model 204

Fit sensor with M6 housing thread	204.01-06-22-1
Fit sensor with ¼" 28 UNF housing thread (H7 option)	204.01-16-22-1

Magnets

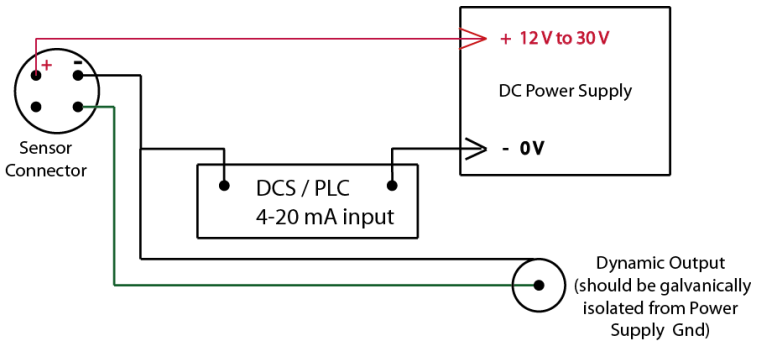
Flat	211.01
Curved	220.01

Repair

Consult factory for replacement of connector in case of broken or bended pins. Repair of electronics is not possible.

Wiring (non Atex version)

4-20 mA Input card



0-10 VDC Input card