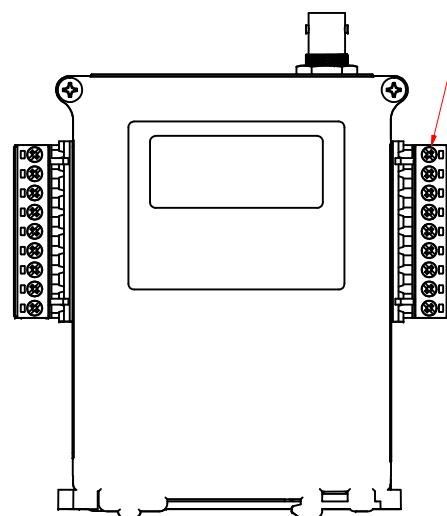
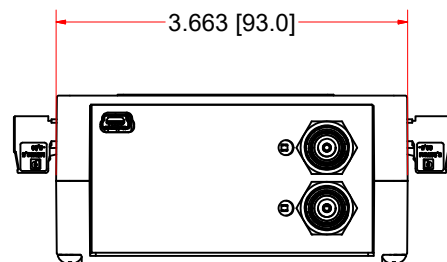
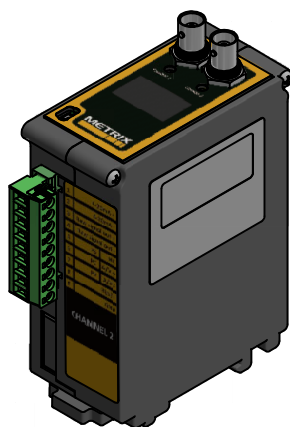
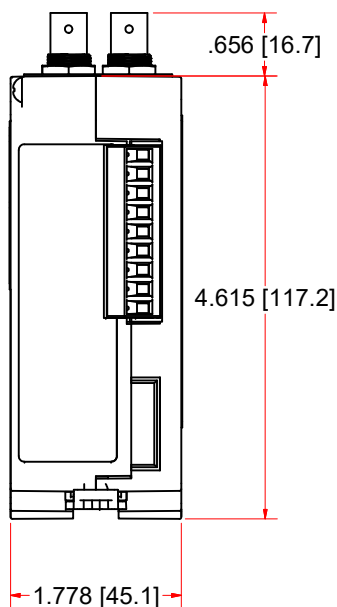


REVISION HISTORY	
REV	CR/DESCRIPTION
A	RELEASE
B	ADDED UKCA INFO



TERMINAL BLOCK SCREWS
24 to 12 AWG
0.5 Nm TIGHTENING TORQUE



SIGNAL CONDITIONER SPECIFICATIONS:

FUNCTION: SIGNAL CONDITIONER WITH ACCELERATION/VELOCITY/PROXIMITY INPUT AND 4-20mA CURRENT SOURCE OUTPUT. 4-20mA OUTPUT IS PROPORTIONAL TO INPUT WITHIN THE FULL-SCALE RANGE (SEE DATASHEET OPTION CCCC)

INPUT (SENSOR) SENSITIVITY: SEE DATA SHEET OPTION FFFF

SIGNAL (SIG) OUTPUT: BUFFERED INPUT SIGNAL

CURRENT LOOP OUTPUT: 4-20mA DC CURRENT SOURCE

CURRENT OUTPUT ZERO ADJUSTMENT (4mA): FROM SOFTWARE

LOAD RESISTANCE: 25 TO 600 OHMS

FREQUENCY RESPONSE (-3dB): 2Hz - 2KHz (VELOCITY), 2Hz - 5KHz (PROXIMITY), 2Hz-10KHz (ACCELERATION)

SIGNAL FILTER OPTIONS: SEE DATA SHEET OPTION D AND E

SENSOR OK: GREEN LED "ON" INDICATES SENSOR AND CABLE INTEGRITY

LCD DISPLAY: 4 DIGIT DISPLAY OF 4-20mA CURRENT AND RAW SIGNAL

SENSOR FAILURE: CAUSES CURRENT OUTPUT TO FALL BELOW 3.5mA, SENSOR OK LED TURN TO RED

ISOLATION: 500V, CIRCUIT TO CASE

TEMPERATURE LIMITS: -40°C TO +85°C

POWER: 24VDC ±10%

HAZARD RATING:

NRTL US/C, Class I, Div 2, Grps A-D, T4 (increased safety)

Class I, Zone 2, AEx ec nC IIC T4 Gc

ATEX, Ex ec nC IIC T4 Gc (increased safety)

IECEX, Ex ec nC IIC T4 Gc (increased safety)

UKCA, Ex ec nC IIC T4 Gc (increased safety)

MOUNTING: FLAT BASE INSTALLED

WIRING DIAGRAM

PIN	Channel 1		Channel 2	
1	4-20mA +		4-20mA +	
2	4-20mA -		4-20mA -	
3	Raw signal out +		Raw signal out +	
4	Raw signal out -		Raw signal out -	
5	NC	PS	NC	PS
6	A/V +	PC	A/V +	PC
7	A/V -	PP	A/V -	PP
8	+	+24VDC	NC	
9	-		NC	

MATERIAL		MASS IN LB(kg) = .75		METRIX METRIX 8824 FALLBROOK, HOUSTON, TEXAS, 77064 USA METRIX RESERVES PROPRIETARY RIGHTS TO THIS DRAWING AND THE DATA SHOWN THEREON. IT IS SUBMITTED IN CONFIDENCE FOR QUOTATION OR ORDER OF THE PRODUCT SHOWN. THIS DRAWING AND/OR DATA ARE NOT TO BE USED OR REPRODUCED FOR ANY PURPOSE WITHOUT THE WRITTEN CONSENT OF METRIX. © AS DATE OF ISSUE.	
FINISH					
		DRAWN BY <u>A. Wilson</u> DATE: <u>03/15/19</u>			
THIRD ANGLE PROJECTION		REVISED BY DATE:			
SCALE (PLOT) <u>1/1</u>		APPROVED BY DATE:		TITLE SPECIFICATIONS, 5580 SIGNAL CONDITIONER	
MODEL: <u>5580</u>		REVISION DETAILS FOR THIS ISSUE ONLY :- STATUS			
<u>ASSY-0728.iam</u>		CR No.			
DWG STATUS:					
TOLERANCES (IN) UNLESS OTHERWISE STATED:		ALL DIMENSIONS IN INCHES		BREAK ALL EDGES:	
X ± .030 XX ± .01		FINISH 64 RMS		.010" X 45° OR .010" R	
ANGLES ± 1° XXX ± .005				MAXIMUM CORNER RADIUS .010"	
				</	