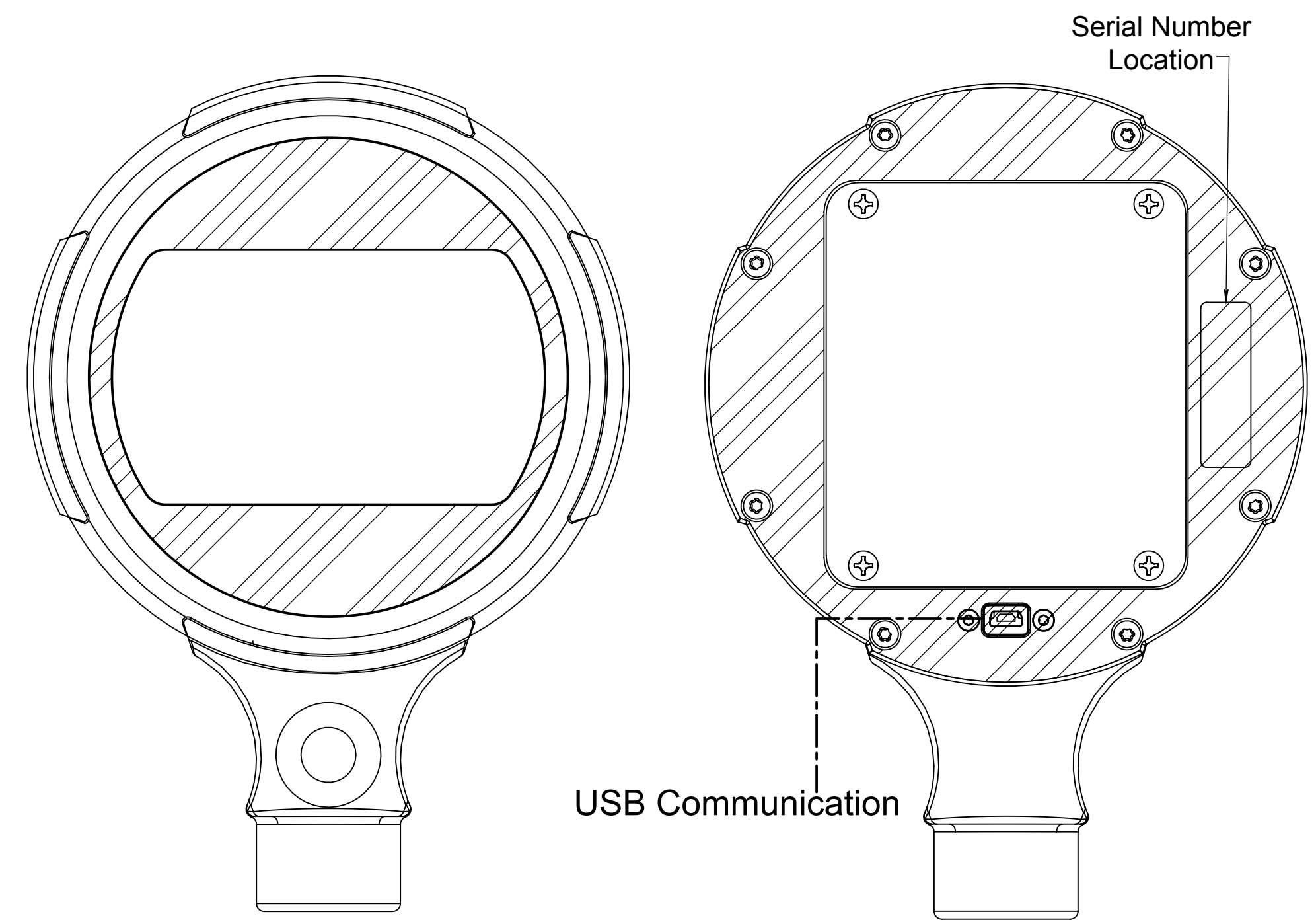


REVISIONS HISTORY				
REV	ECO #	DESCRIPTION	DATE	BY
IR	EO - 7658	INITIAL RELEASE	04/29/16	JS
A	EO - 7658	UPDATE WARNINGS, CERTIFICATION NUMBERS	11/3/16	JS

**NON-HAZARDOUS LOCATION**

MGP7nnn  
MGP7nnnX



**HAZARDOUS LOCATION**

MGP7nnnX

This device complies with the following standards:

- UL 913 - Edition 8 - Revision Date 2015/10/16
- CSA C22.2 NO. 157-92 - Edition 3 - Revision Date 2003/06/01
- IEC 60079-11 - Edition 6 - Revision Date 2014/10/01
- IEC 60079-0 - Edition 6 - Revision Date 2014/10/01
- CENELEC EN 60079-11 - Issue Date 2012/01/01
- CENELEC EN 60079-0 - Revision Date 2013/01/01
- UL 60079-0 - Edition 6 - Issue Date 2013/07/26
- UL 60079-11 - Edition 6 - Revision Date 2014/03/28
- CSA C22.2 NO. 60079-0 - Edition 3 - Issue Date 2015/10/01
- CSA C22.2 NO. 60079-11:14 - Edition 2 - Issue Date 2014/02/01

ATTENTION: LA SUBSTITUTION DE COMPOSANTS PEUT COMPROMETTRE LA SÉCURITÉ INTRINSÈQUE.

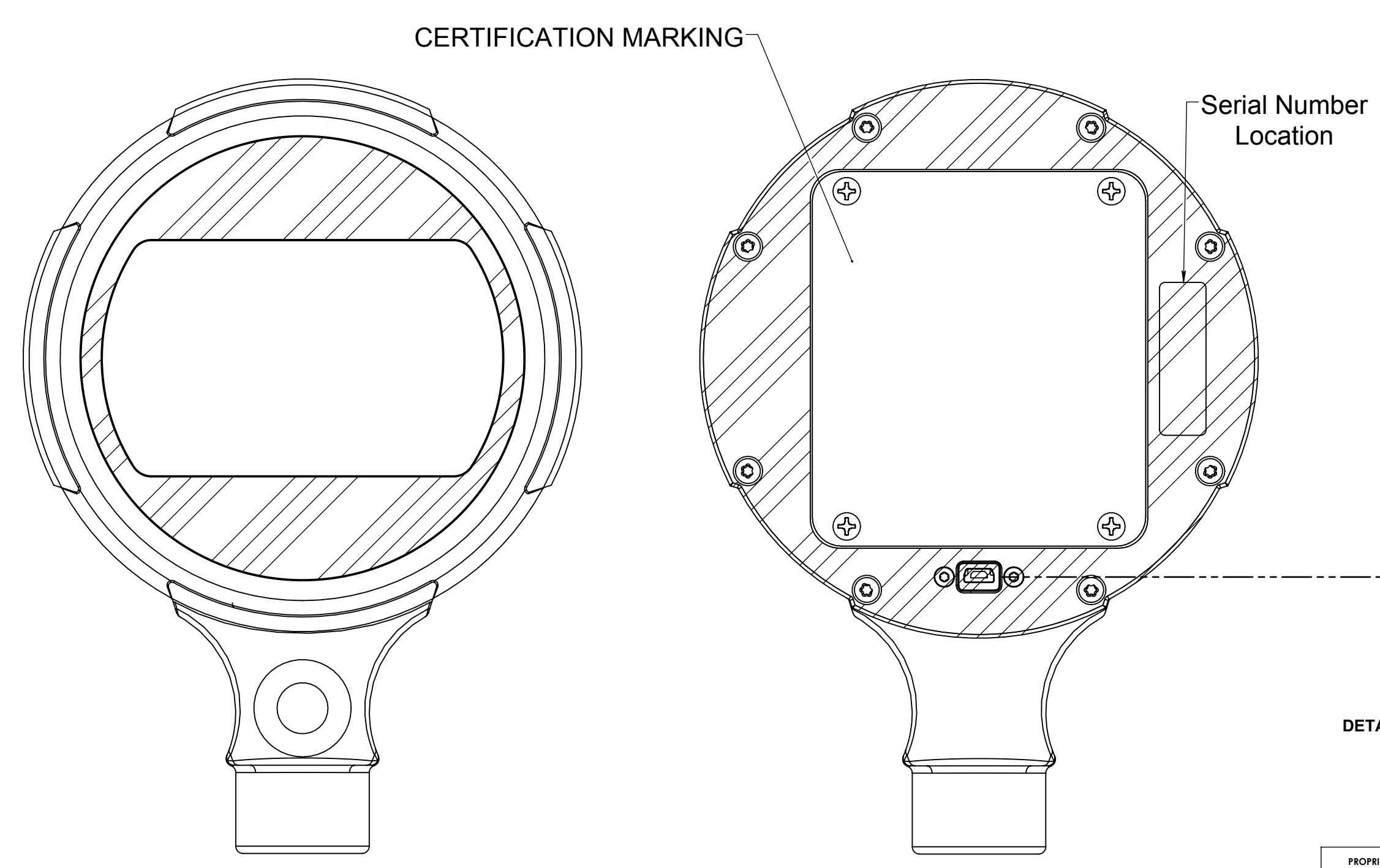
**WARNINGS:**

- COMPONENT SUBSTITUTION MAY IMPAIR INTRINSIC SAFETY!
- To prevent ignition of flammable or explosive atmospheres,
  - Do Not open or service unit in flammable or explosive atmosphere.
  - Do Not use any battery other than the following approved batteries:

Duracell MN1500	Panasonic LR6XWA
Duracell PC1500	Rayovac 815
Varta 4906	Engizer EN91
- Associated apparatus output current must be limited by a resistor such that the output voltage-current plot is a straight line drawn between open-circuit voltage and short-circuit current.
- Selected associated apparatus must be third party listed as providing intrinsically safe circuits for the application, and have  $V_{oc}$  or  $V_t$  not exceeding  $V_{max}$  (or  $U_o$  not exceeding  $U_i$ ),  $I_{sc}$  or  $I_t$  not exceeding  $I_{max}$  (or  $I_o$  not exceeding  $I_i$ ), and the  $P_o$  of the associated apparatus must be less than or equal to the  $P_{max}$  or  $P_i$  of the intrinsically safe equipment, as shown in Table 1.
- Associated apparatus must not be used in combination unless permitted by the associated apparatus certification.
- SPECIAL FASTENER MUST COMFORM BY THE FOLLOWING: - The thread shall be metric of course pitch in accordance with ISO 262, with a tolerance fit of 6g/6H in accordance with ISO 965-1 AND ISO 965-3. - The head of the screw shall be phillips type and the fasteners shall only be replaced by identical ones.

**Special Conditions for Safe Use**

- Housing material contains aluminum and must be installed to prevent impact and friction sparks.



**MGP7nnnX**

**NOTE:** FOR MODEL NUMBER n ALLOWED TO BE 0-9 OR A-Z.  
INTRINSICALLY SAFE  
SÉCURITÉ INTRINSÈQUE

**Certification Markings**

**MGP7nnnX**

<b>Ex ia IIC T4 Ga</b>  <b>II 1 G</b> <b>DEMKO 16</b> <b>ATEX 1809X</b>	<b>IECEX UL</b> <b>16.0165X</b>	 <b>UL</b> <b>LISTED</b> <b>E303279</b>
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**Class I, Div.1 Groups A,B,C,D: T4 Exia**  
**Class I, Zone 0, AEx ia IIC T4**  
**Ex ia IIC T4**  
**-10 °C < Ta < 50 °C**  
**Intrinsically Safe Circuit Only**

**Warning:** Do not replace batteries in explosive atmosphere. Refer to 9R525 for approved batteries and IS instructions. Component substitution may impair intrinsic safety. La substitution de composants peut compromettre la sécurité intrinsèque. Housing material contains aluminum and must be installed to prevent impact and friction sparks.

$P_o=1.249\text{ W}$   
 $U_o=5.5\text{ VDC}$   
 $I_o=227\text{ mA}$   
 $C_o=35\text{ }\mu\text{F}$   
 $L_o=0\text{ }\mu\text{H}$   
 $U_m=6\text{ V}$

Proc. Cont. Eq. for Hazardous Locations  
Refer to manual for use and safety precautions.

RESERVED FOR FUTURE USE

Meriam | 10920 Madison Avenue  
Cleveland | Ohio | USA | 44102

**Warning: Do not use USB in hazardous locations.**

DETAILS MAY VARY

UNLESS OTHERWISE SPECIFIED:		
<b>DIM. ARE IN INCH/MM</b>		
1. DIMENSIONS AND TOLERANCING PER ASME Y14.5M-1994		
2. DIMENSIONAL LIMITS APPLY BEFORE FINISHES		
3. MULTIVIEW AND SECTIONAL VIEW DRAWINGS PER ASME Y14.3M-1994		
4. APPLICATION OF ENGINEERING DRAWINGS PER ASME Y14.24-1999		
5. REMOVE BURRS AND SHARP EDGES: MAX = .020 / (0.5)		
6. CHAMFER OR DEBURR HOLES: MAX = .010 / (0.25)		
7. MACHINED FILLET RADIUS: .020 / (0.5)		
8. MACHINED SURFACE FLAT: WITHIN .001 IN/IN OR (0.25mm/mm); OTHER SURFACE FLAT WITHIN .002 IN/IN OR (0.127mm/mm)		
9. SURFACE FINISHES: 125 UN OR (3.2 UM)		
10. CONCENTRICITY MACH. SURF. TIR WITHIN 1/2 SUM OF DIAM TOLERANCE.		
11. TOLERANCES DECIMALS ARE: INCH      MM      ANGULAR		
XX ± .030	XX ± 0.8	± 0.5°
XXX ± 0.010	XXX ± 0.25	
XXXX ± .005	XXXX ± 0.13	

APPROVALS		
NAME	DATE	
DRAWN: JULIE STALDER	03-08-16	
CHECKED: JOHN MERRILL	03-10-16	
ENG APPR:		
MFG APPR:		
QA APPR:		

COMMENTS: DOCUMENTED ON 3D CAD with SolidWorks.	
SOLIDS FILE: 9A1102-A	
DRAWING FILE: 9R525-A	
DO NOT SCALE DRAWING	

**meriam**  
process technologies  
a Scott Fetzer company

10920 MADISON AVENUE  
CLEVELAND, OHIO 44102

meriGauge  
MERIAM CONTROL DRAWING

SIZE: <b>D</b>	DWG. NO.: <b>9R525</b>	REV: <b>A</b>
SCALE: 1:1	WEIGHT:	SHEET 1 OF 1

SCHEDULE DRAWING  
AGENCY APPROVED DRAWING:  
NO REVISION TO DRAWING  
PERMITTED WITHOUT AGENCY  
APPROVAL

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WHERE USED: <LOCATION>