

**TYPICAL PART NUMBER:**  
 PCA-Xmm-Z  
 Where:  
 X = Overall probe length

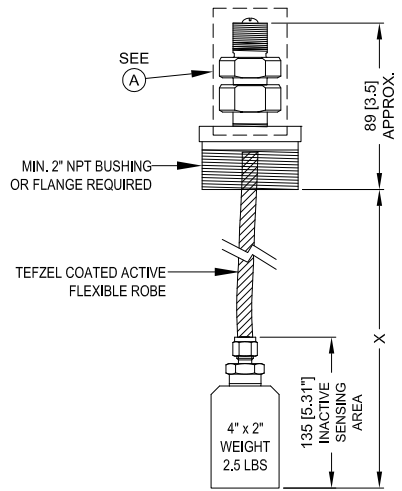
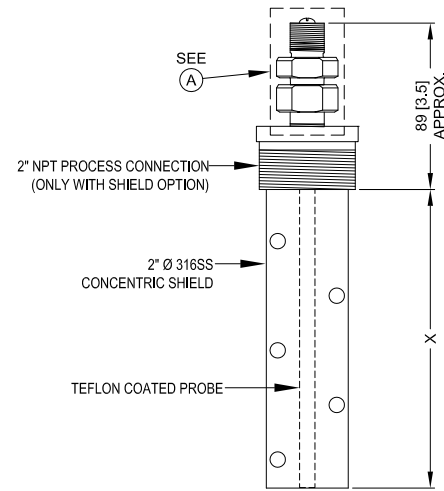
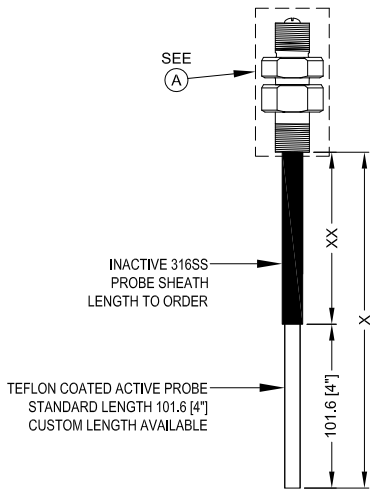
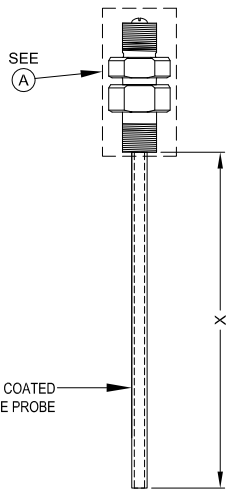
**TYPICAL PART NUMBER:**  
 PCA-Xmm-D(XXmm)-Z  
 Where:  
 X = Overall probe length  
 XX = Inactive probe sheath length

**TYPICAL PART NUMBER:**  
 PKA-Xmm-Z  
 Where:  
 X = Overall probe length

**TYPICAL PART NUMBER:**  
 PMD-Xmm-J-Z  
 Where:  
 X = Overall probe length  
 J = 316SS Weight (2.5lb)

**TABLE 1: mA Outputs**

mA Outputs	Models Available
4/20mA OUTPUT Where: 4mA = Normal <b>AND</b> 20mA = Alarm BASED ON ALARM 1	2882-OWS, 2882-L.S, 2882-FCS, 2882-IFA
4-20mA OUTPUT or 0-20mA OUTPUT	2880-OWI, 2882-OWI, 2880-LT, 2882-LT, 2880-FCM, 2882-FCM 2880-CAP, 2882-CAP



**\*2880 Available for these models only.**  
 2880 & 2882 SERIES WORK SHEET

CODE	Base Unit
28	Arjay 2880 Series Capacitance Level Transmitter
CODE	Probe Input and Controller Mounting Type
* 80	Non-Isolated 4-20mA, Probe Mount
82	Non-Isolated 4-20mA With Relays, Probe Mount
CODE	Type of Application (Model)
* LT	Level Transmitter with proportional mA Output
* LS	Level Switch with Latched mA Output
* OWS	Oil/Water Separator (Sump) Alarm
* OWI	Oil/Water Interface
* CAP	Capacitance Monitor
* FCM	Form Control Monitor
* FCS	Form Control Switch
* IFA	Interface Alarm
CODE	Power Input
1	100-240VAC, 50/60Hz
2	N/A
3	12VDC
4	24VDC
CODE	Unit Enclosure
4	Ordinary Location <b>without</b> window, North America Certificate
6	Explosion Proof <b>without</b> window, North America Certificate
7	Explosion Proof <b>without</b> window, ATEX, IECEx

28    88a    bbb    c    d

**GENERAL NOTES:**

- DIMENSIONS ARE IN mm [inches].
- TOLERANCE +1mm (0.04 inches).
- PROBE HOUSING (STANDARD) AS SHOWN ABOVE:
  - MATERIAL: TYPE 4X DIE-CAST ALUMINIUM JUNCTION, PAINTED RAL 5015 SKY BLUE.
  - MODEL: LIMATHERM "XD-IH".
  - OVERALL OUTSIDE DIMENSIONS: 145 X 126 X 178 (H) (5.71 X 4.96 X 7.01(H)).
- PROBE HOUSING FOR NORTH AMERICA ONLY (EXPLOSION PROOF):
  - MATERIAL: TYPE 4X DIE-CAST ALUMINIUM JUNCTION, SILVER POWDER EPOXY PAINT.
  - MODEL: HUBBELL/KILLARK "HK" SERIES.
  - OVERALL OUTSIDE DIMENSIONS: 156 X 133 X 151(H) (6.125 X 5.234 X 5.938(H)).
- POWER INPUT:
  - VOLTAGE AS PER ORDER
  - 12VDC or 24VDC or 100-240VAC, 50/60Hz.
  - TERMINALS MARKED (-) (+) ARE FOR DC POWERED UNITS.
- TB6 IS DISCONNECTED DURING SHIPMENT FOR STATIC REASONS. MUST RE-CONNECT DURING INSTALLATION. TB6 HAS TWO "+" CONNECTIONS. EITHER IS ACCEPTABLE.

**CERTIFICATION:**

PROCESS TEMPERATURE FOR THE STANDARD & HEAVY DUTY PROBES ARE -60°C to +200°C AND FOR FLEXIBLE PROBE IS -60°C to +100°C. IT IS END-USER'S RESPONSIBILITY TO ENSURE THAT AMBIENT TEMPERATURE AROUND THE CAPACITANCE CONTROLLER AND ARJAY PROBE HEAD DOES NOT EXCEED THE PERMITTED AMBIENT OF 55°C.

**ORDINARY LOCATION RATING:**  
 - UL FILE NUMBER: E343390  
 - UL / IEC 61010-1, 2ND EDITION, 2008/10/28  
 - CAN/CSA-22.2 NO. 61010-1, 2ND EDITION, 2008/10/01  
 - CE: UL / IEC 61010-1; IEC / EN 61000-4; ISO 9001:2008

**HAZARDOUS LOCATION RATING FOR NORTH AMERICA:**  
 - Ex db IIC T5 Gb  
 - Class I, Zone 1, AEx db IIC T5 Gb

**HAZARDOUS LOCATION RATING FOR INTERNATIONAL:**  
 - II 2G Exd T5 Gb  
 - Sirra 17ATEX2261X  
 - IECEx CSA 17.0019X

REV	DATE	DESCRIPTION	CHKD	APPD
REVISIONS				
<b>ARJAY ENGINEERING LIMITED</b>			PROJECT	
<b>2880/2882 SERIES TRANSMITTER</b>				
<b>DIMENSIONAL AND ELECTRICAL DRAWING</b>				
DWG. STATUS	BY	DATE	TITLE	
DRAWN	F.H.	02/01/17	2880/2882 SERIES TRANSMITTER	
CHECKED			DIMENSIONAL AND ELECTRICAL DRAWING	
APPROVED				
SCALE	REF. DWGS.	DWG. NO.	SHT.	REV.
N.T.S.		20170820	1	0