

NOTES:

- GENERAL:
1. SENSOR TYPE: CDS-125 COMPACT DOWNFORCE SENSOR
 2. OUTPUT TYPE: RATIO METRIC ANALOG
 3. OPERATING TEMPERATURE: -20°C TO 65°C
 4. STORAGE TEMPERATURE: -40°C TO 85°C
 5. LABEL TRACEABILITY:
(S) = YYWWLL####
YY = TWO DIGIT YEAR
WW = WEEK OF YEAR NUMBER
LL = LOCATION 10
= SERIAL NUMBER COUNTER
10-DIGIT TRACEABILITY CODE EXAMPLE
2108100001
 6. DATA MATRIX BARCODE
(S) = YYWWLL####
YY = TWO DIGIT YEAR
WW = WEEK OF YEAR NUMBER
LL = LOCATION 10
= SERIAL NUMBER COUNTER
(D) = LABEL CREATION DATE
DATA MATRIX BARCODE EXAMPLE
(V)Parker(IP)168607(S)2108100001(D)020821

7. LABEL LAYOUT:



CDS125 1.5KLBF
168607 2106100001

PERFORMANCE:

8. OUTPUT ERROR: ±3% OF FULL SCALE LOAD OVER OPERATING TEMPERATURE
9. LINEARITY: ± 0.5% FS @RT
10. FULL SCALE LOAD = FORCE REQUIRED TO GENERATE 90% VOLTAGE OUTPUT
11. FULL SCALE LOAD: 1500 lbf NORMAL FORCE
12. GROUND REPEATABILITY: ±15 lbf (0-100 lbf)
13. CE CERTIFIED PER: AGRICULTURAL AND FORESTRY VEHICLES (BS EN 14982)
14. RoHS COMPLIANCE TO EU DIRECTIVES

ELECTRICAL:

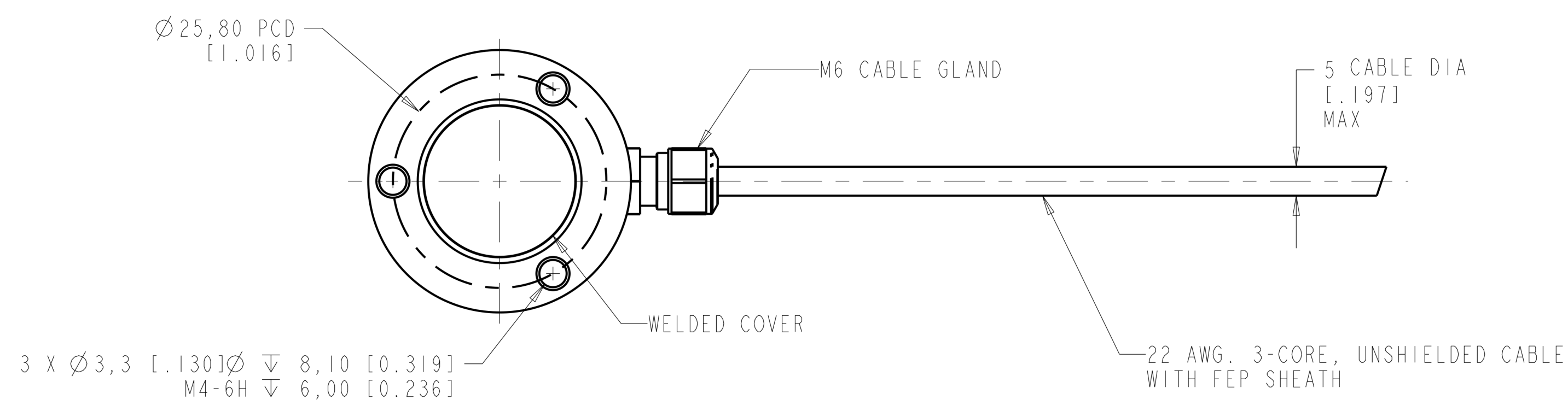
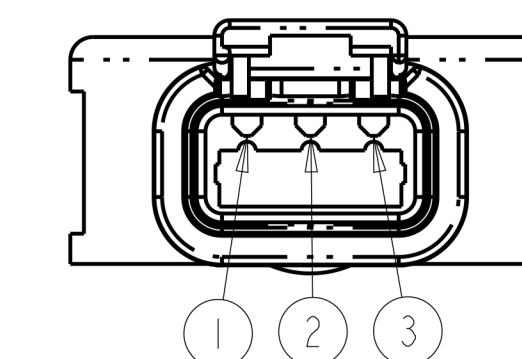
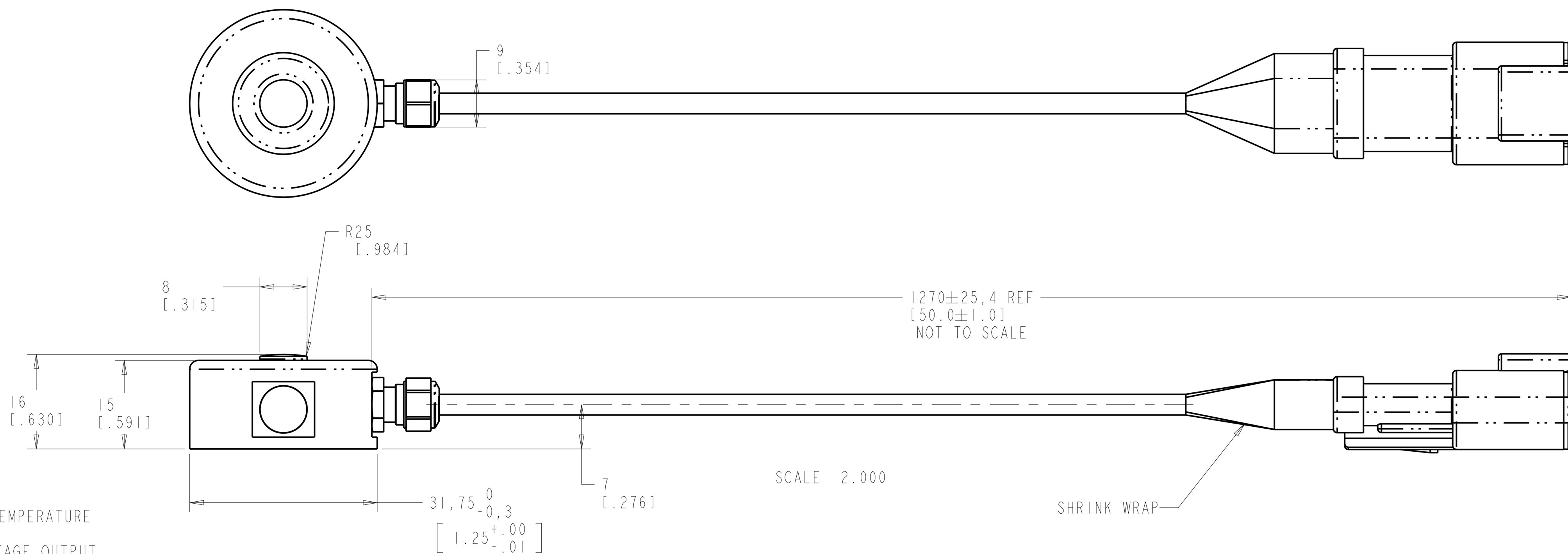
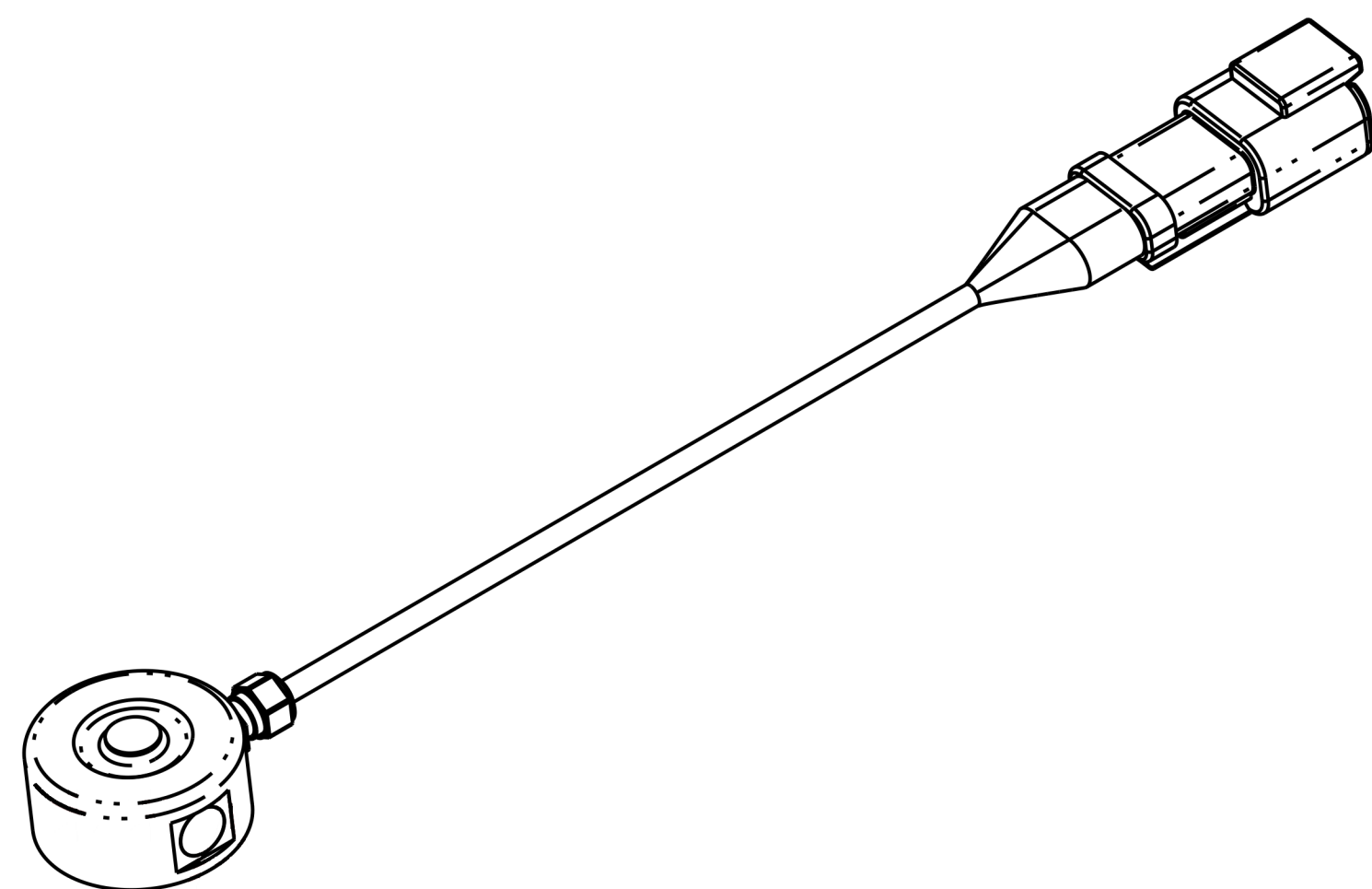
15. OPERATING VOLTAGE: 4.5 -5.5 VDC
16. INPUT CURRENT: 15ma MAX

MECHANICAL:

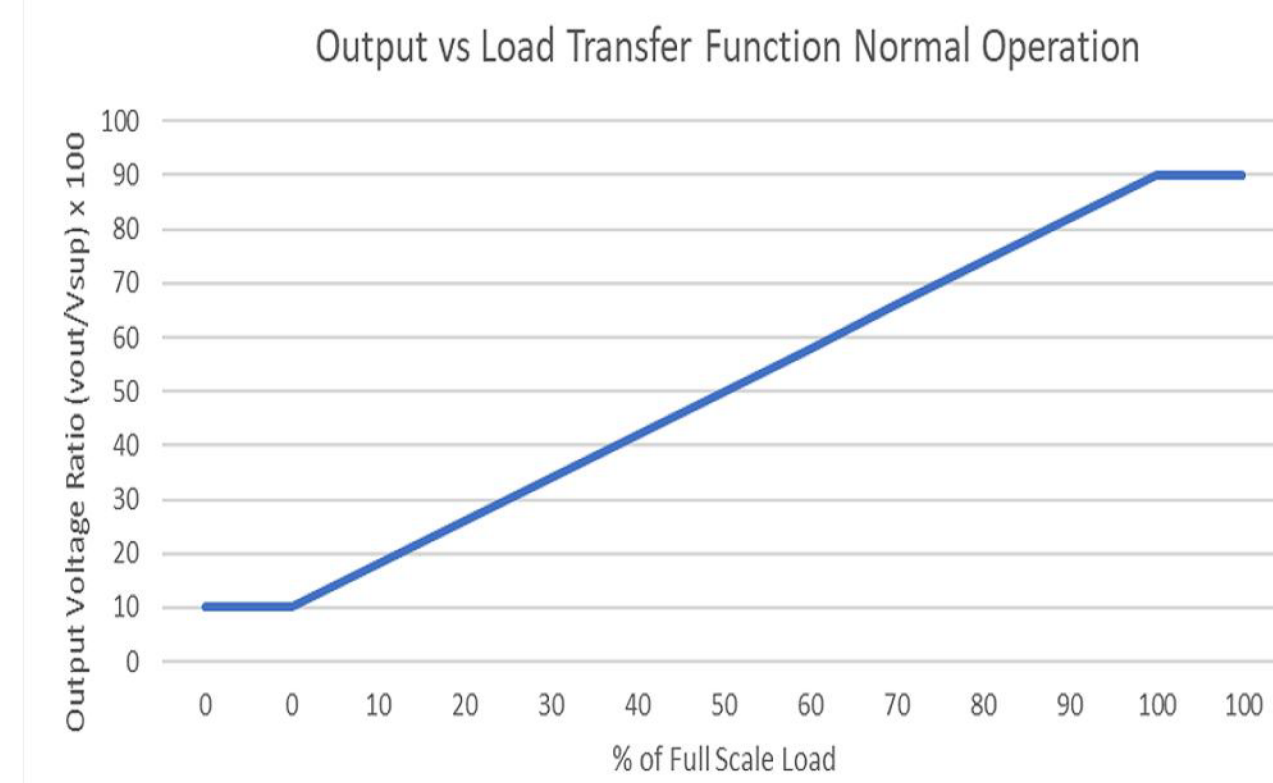
17. OVERLOAD: 3500 lbf [FORCE ABOVE OVERLOAD MAY CAUSE MECHANICAL OR ELECTRICAL DAMAGE TO SENSOR]
18. SENSOR BODY MATERIAL: 17-4 PH STAINLESS STEEL
19. MOUNTING BOLT: M4
20. RECOMMENDED MOUNTING TORQUE NOT TO EXCEED: 1.5±0.5 Nm
21. INGRESS PROTECTION: IP69K, IP67

APPLICATION NOTES:

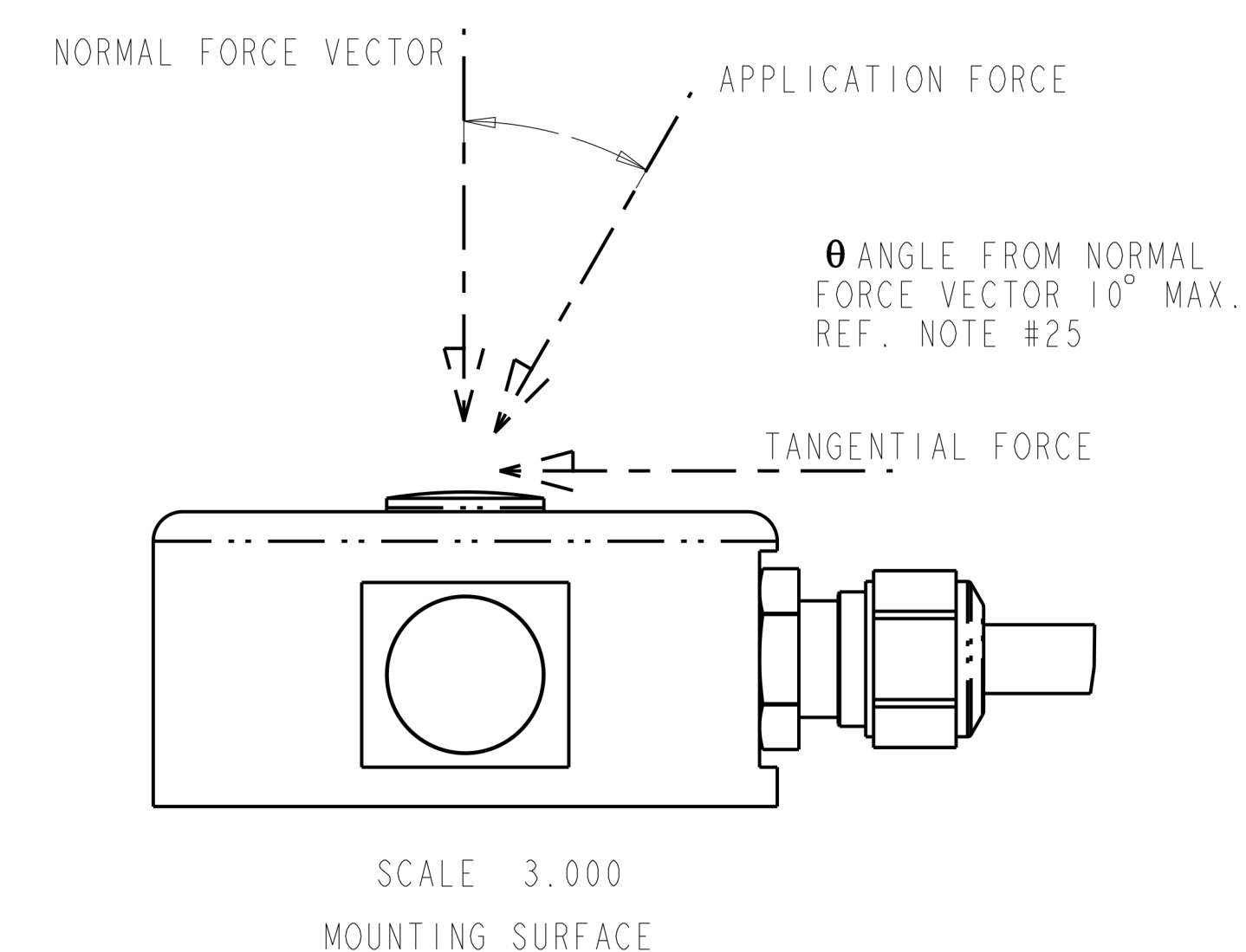
22. MOUNTING SURFACE: FLATNESS 0.002"
23. FORCE MEMBER: 8mm min DIAMETER
24. THEORETICAL SENSOR READING: (APPLICATION FORCE) x COS(θ°)
25. MAX. TANGENTIAL FORCE: 261 lbf



CONNECTOR PIN CONFIGURATION		
DEUTSCH CONNECTOR DTM04-3P-E007 WITH EXTENDED END FOR SHRINK WRAP NICKEL CONTACTS	1	SUPPLY
	2	GROUND
	3	SIGNAL



REF. NOTE#10



SCALE 3.000
MOUNTING SURFACE

TOLERANCES UNLESS OTHERWISE SPECIFIED		Parker Electronic Controls Division Sensor Business Unit	
INCH	0 ±.25" 0 ±.05" .00 ±.02" .000 ±.010"	DATE: 16-12-2021	BY: EK SAR
METRIC	0 ±.35 0 ±.27 .00 ±.508 .000 ±.254	SEE NOTES	
DRAWING UNITS: 1:1		TITLE: VEO CDS125-1.25D 50L DTM04 1.5KLBF	
DRAWING SCALE: 1:2		REV: E	SHEET: 1 OF 1