,			
AANDERAA INSTRUMENTS 5852 Bergen, Norway.Tel. +4755 10 99 00			Test and Calibration Sheet Pressure Sensor 3815A Pressure Sensor 3815B Pressure Sensor 3815C Pressure Sensor 3815D Pressure Sensor 3815E Serial No 8 2 6
1. Visual and Mechanical Checks: 1.01 Treads 1.02 Swagelok cone 1.03 O-ring groves 1.04 Components correctly inserted 1.05 Soldering quality 1.06 O-rings		Before casting	After casting
2. Performance test:			
<ul><li>2.01. Typical raw data reading in air for ran</li><li>2.02 Typical raw data reading at full range</li><li>2.03 Maximum temperature drift over the range</li></ul>	0 - 3500 kPa: (30-60) 0 - 7000 kPa: (20-50) 0 - 20 MPa: (10-40) 0 - 60 MPa: (10-40) (Typical reading: 950-1010) ange -5 to +40 °C ( max: ±	2 LSB)	10,09
	Date:/8	- 2003 <sub>Sign:</sub> 2	Helge Sollveit
3. Calibration:			

3. Calibration:			
This sensor is calibrated against a Budenberg	g dead weight tester. Sensor accuracy	better than ±0.25% of range.	This is an
absolute pressure sensor. Pressure range:	0 - 700 kPa (0 - 101.5 psi)		
	0 - 3500 kPa (0 - 507.6 psi)	· 🔲	
	0 - 7000 kPa (0 - 1015.2 psi)		
	0 - 20 MPa (0 - 2901.0 psi)	$\boxtimes$	
	0 - 60 MPa (0 - 8702.0 psi)		

Pressure, Bar MPa	0,101	5,107	10,113	15,120	20,126
Raw data reading (N)	32	278	524	768	1011

MPa Calibration formula: Pressure (Bar)= A + BN +  $CN^2$  +  $DN^3$ 

Calculated coeffients:

A: -5,444E-01 B: 2,025E-02 C: 1,950E-07

D: 0

Installation:

Special care should be taken when installing the sensor to prevent damage to the O-rings. If necessary, grease the O-rings. Coat the threads near the Top End-Plate after installation with TECTYL 506 to prevent crevice corrosion.

Date: 26/8-2003 Sign: Roau Jagmes

28 CONTROL

AANDERAA INSTRUMENTS 5852 Bergen, Norway.Tel. +4755 10 99 00	880		Test and Calibration She Pressure Sensor 3815A Pressure Sensor 3815B Pressure Sensor 3815C Pressure Sensor 3815D Pressure Sensor 3815E Serial No: . 8 2 7
1. Visual and Mechanical Checks:	*	Before casting	After casting
1.01 Treads		57	3
1.02 Swagelok cone		$\boxtimes$	
1.03 O-ring groves			$\boxtimes$
1.04 Components correctly inserted			
1.05 Soldering quality			$\bowtie$
1.06 O-rings			A
2. Performance test:			
2.01. Typical raw data reading in air for rar		•	
	0 - 3500 kPa: (30-60)		
	0 - 7000 kPa: (20-50) 0 - 20 MPa: (10-40)		34
	0 - 60 MPa: (10-40)		
	0 00 1111 411 (10 10)		1005
2.02 Typical raw data reading at full range	(Typical reading: 950-1010)	. ( 00)	
2.03 Maximum temperature drift over the	range -5 to +40 °C ( max: ±2	2 (58)	· · · · · · · · · · · · · · · ·
	27/0	- 2003	Helge Solfveit
	Date: / O	Sign:	200,000.
	• 17		
3. Calibration:			
This sensor is calibrated against a Budenbe			nan ±0.25% of range. This is an
absolute pressure sensor. Pressure range:	0 - 700 kPa (0 - 101.		ᆗ
	0 - 3500 kPa (0 - 507.	- · ·	릭
	0 - 7000 kPa (0 - 1015 0 - 20 MPa (0 - 2901		₫
	0 - 20 MPa (0 - 2901.		7

Pressure, Bar MPa	0,101	5,108	10,114	15,120	20,126
Raw data reading (N)	37	281	524	767	1007

Calculated coeffients:

A: -6,518E-01 B: 2,043.E-02

C: 2,003 E-07

D: 0

Installation:

Special care should be taken when installing the sensor to prevent damage to the O-rings. If necessary, grease the O-rings. Coat the threads near the Top End-Plate after installation with TECTYL 506 to prevent crevice corrosion.

Date: 19-2003 Sign: Pau Dogmes

28 CONTROL

•		
AANDERAA INSTRUMENTS 5852 Bergen, Norway.Tel. +4755 10 99 00		Test and Calibration Sheet Pressure Sensor 3815A Pressure Sensor 3815B Pressure Sensor 3815C Pressure Sensor 3815D Pressure Sensor 3815E Serial No:
1. Visual and Mechanical Checks:	Before casting	After casting
1.01 Treads	×	-
1.02 Swagelok cone	×	
1.03 O-ring groves		
1.04 Components correctly inserted	X	
1.05 Soldering quality	K	
1.06 O-rings		$\boxtimes$
O Devierment took		
<ol> <li>Performance test:</li> <li>2.01. Typical raw data reading in air for range:0 - 700 kPa:</li> </ol>	(155-175)	
0 - 3500 kPa:		32 😾
0 - 7000 kPa:	•	
0 - 20 MPa:	• •	
0 - 60 MPa:	• '	
0 00 1111 411	(	1006
<ul><li>2.02 Typical raw data reading at full range (Typical reading</li><li>2.03 Maximum temperature drift over the range -5 to +40</li></ul>	g: 950-1010) °C ( max: ±2 LSB)	1
	21/8 - 2003 Sign:	Helge Sollveit

This sensor is calibrated against a Budenberg	dead weight tester. Ser	nsor accuracy bett	ter than ±0.25%	of range.	This is an
absolute pressure sensor. Pressure range:	0 - 700 kPa (0 - 10	01.5 psi)			
	0 - 3500 kPa (0 - 50	07.6 psi)			
	0 - 7000 kPa (0 - 10	)15.2 psi)			
	0 - 20 MPa (0 - 29	)01.0 psi)			
	0 - 60 MPa (0 - 87	702.0 psi)			

Pressure, Bar kPa	100,7	801,6	1702,7	2503,7	3404,9
Raw data reading (N)	35	237	496	724	980

kPaCalibration formula: Pressure (Bar)= A + BN +  $CN^2$  +  $DN^3$ 

Calculated coeffients:

A: -2,015 E+01

3. Calibration:

B: 3,456 E+00 C: 4,032 E-05

0

D:

Installation:

Special care should be taken when installing the sensor to prevent damage to the O-rings. If necessary, grease the O-rings. Coat the threads near the Top End-Plate after installation with TECTYL 506 to prevent crevice corrosion.

AANDERAA INSTRUMENTS 5852 Bergen, Norway.Tel. +4755 10 99 00	*		Test and Calibration S Pressure Sensor 3815A Pressure Sensor 3815B Pressure Sensor 3815C Pressure Sensor 3815D Pressure Sensor 3815E Serial No: 597	Sheet
4 Marral and Machanical Charles	,	Before casting	After casting	
1. Visual and Mechanical Checks:			Alter casting	
1.01 Treads				
1.02 Swagelok cone		XXXXX		
1.03 O-ring groves				
1.04 Components correctly inserted				
1.05 Soldering quality		A	₩.	
1.06 O-rings				
2. Performance test:				
2.01. Typical raw data reading in air for range	e:0 - 700 kPa: (155-175)			
	0 - 3500 kPa: (30-60)		31	
	0 - 7000 kPa: (20-50)			
	0 - 20 MPa: (10-40)			
	0 - 60 MPa: (10-40)			
		E.	1002	
2.02 Typical raw data reading at full range (	Typical reading: 950-1010	)		
2.03 Maximum temperature drift over the rai	nge -5 to +40 °C ( max: ±	2 LSB)		
	21/ Date: /8	5-2003 Sign:	Helge Solhre	il
3. Calibration:				
This sensor is calibrated against a Budenberg	dead weight tester. Sens	or accuracy better t	han ±0.25% of range. This i	s an
absolute pressure sensor. Pressure range:	0 - 700 kPa (0 - 101			
,	0 - 3500 kPa (0 - 507		×	
	0 - 7000 kPa (0 - 1015			
	0 - 20 MPa (0 - 2901	-		

0 - 60 MPa (0 - 8702.0 psi)

Pressure, Bar kPa	100,7	801.6	1702.7	2503,7	3404,9
Raw data reading (N)	34	235	493	722	976

KPO

Calibration formula: Pressure (Bar)= A + BN +  $CN^2$  +  $DN^3$ 

Calculated coeffients:

A: -1,613E+01 B: 3,464E+00

C: 4,079E-05

D: 0

Installation:

Special care should be taken when installing the sensor to prevent damage to the O-rings. If necessary, grease the O-rings. Coat the threads near the Top End-Plate after installation with TECTYL 506 to prevent crevice corrosion.

26/ Date: 18-2003 Sign: Rau Sagmus

> 28 CONTROL