

	Quality documentation	KENNWORT/ CODE KOSBOOST
	OIL UNIT SIZE 400	AUFTRAG-NR / ORDER-NO 312410
		PSP-ELEMENT 312411.10.8802

9 DIFFERENTIAL PRESSURE TRANSMITTER

- 9.1 CERTIFICATE OF COMPLIANCE
CALIBRATION CERTIFICATE
- 9.2 INSPECTION CERTIFICATE



ABB SACE Spa

Una società del gruppo ABB

An ABB Group company

Sede Amministrativa/Commerciale

Via Statale, 113 - 22016 Lenno (CO) Italy

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CERTIFICATO DI TARATURA

CALIBRATION CERTIFICATE

CERTIFICAT DE ETALONNAGE

KALIBRIERUNG - PROTOKOLL

Vs. Ordine - Your Order - V/Commande - Ihr Auftrag 4500010654/020	Spett. - Messrs. - Messieurs - Kunde PLABB00 ABB SP.Z.O.O. UL.BITWY WARSZAWSKIEJ 1920 R.NR.18 02366 02-366 WARSZAWA
Pos Vs. Ordine e Rif. - Yr Item - Pos.Or. - Best Pos. ITEM 3 YR REF: 7040980	
Ns Conferma - Our Job N. - n/accusé de réception N. - Unser Auftrag 1805010541	
Item Cliente - Customer Item	

Pos - Item	S/Pos	U.M.	Quantità - Q.ty - Quant - Menge	Uscita - OutPut / Sortie - Ausfang
000300	000001	ST	1	HART(4-20mA)

Dati Strumento - Instrument data Codice - Product code	264DSHSSQ2B1 V2L1C6H3	
Numero di serie - Serial number No. de série - Fabr. -Nr.	6405007994	
Data - Date Kalibrier Datum	28 / 04 / 2005	
Massimo Errore - Max. deviation Anlinienabweichung - Déviation max.	0.075 %	
Intervallo di misura - Calibration Range Eingest. auf. - Ajustée à	0 / 1.6 bar	
Tag - Name	Descriptor ITEM 3 YR REF: 7	Message

TEST > PASS

% Range	Pres. applicata Input press.	Pres. rilevata Output press.	Unità Unit	Uscita mA Output mA	Errore % Deviation %	Limite di errore Dev. Limit	Esito Test Test Result
0%	0	0	bar	4	0	0.075	PASS
50%	0.8	0.7999	bar	11.998	-0.012	0.075	PASS
100%	1.6	1.6	bar	20	0	0.075	PASS
50%	0.8	0.801	bar	12.0092	0.058	0.075	PASS
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-

Si attesta che lo strumento è stato collaudato secondo gli standard ABB, e' costruttivamente rispondente alle caratteristiche succitate e in conformita' al vostro ordine.
We certify that instrument has been tested according to the ABB standard, it is manufactured in compliance with the above mentioned characteristics and is with the order.
Nous certifions que l'instrument a été contrôlé et répond aux normes ABB, qu'il possède toutes les caractéristiques ci-dessus citées et conforme à la commande.
Wir bestätigen dass die Geräte nach dem ABB standard getestet wurden und der oben aufgeführten Charakteristik entsprechen und esentspricht beider bestellung.

Prova di tensione - Test Voltage - Essai de tension - Spannungsprüfung [kV =] 1	Prova Sovrapressione - Over Range pressure test - Essai de surpression - Max Überdruck Hydrostatic test > PASS (MWP = 21 Mpa)
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Nota - Note :
Le misurazioni sopra registrate sono state ottenute in condizioni di test standard di produzione e hanno riferimento negli standard nazionali attraverso i laboratori del S.I.T. (Servizio Italiano Taratura)
The measurement recorded above were obtained under standard productions test conditions and are traceable to national standards through the laboratories of S.I.T.(Servizio Italiano Taratura)

RINTRACCIABILITA' DEI MATERIALI / MATERIAL TRACEABILITY (DIN 50049 3.1.B)

3.1B Flangia / Flange PN0620 4C
3.1B Membrana / Diaphragm 1331251051 11C6

Dati trasduttore - Transducer data : Numero di serie - Serial Number 2604129499 Limiti di pres. - Pressure Limits -160 / 160 kPa	Dati Elettronica secondaria - Secondary Electronic Data : Numero di serie - Serial number 2100448 Software Rev. 1 Hardware Rev. 8 Codice Costruttore - Manuf. Number 1M20000 Anno Costruttore - Manuf. Year 6 Settimana Costruttore - Manuf. Week 15
Apparecchio di test - Equipment : Tipo - Type Fin_800T_HP Attrezzo n° - Tool n° Stazione Automatica Alta Pressione N° 3 Modalità operativa - Operative Mode 3 Controllo (1) Automatic Configuration Controllo (2) FLUKE 45 N. Ser. 6745028 (1.7 D1.0) Controllo (3) RUSKA 7000 0 / 250 kPa G. N.Ser. 250 RUSKA 7215 -101.325 / 17200 kPa G. N.Ser. 51509	Doc n° 18093 Test Timer (MM:SS) 19: 34 Rif. Manuale Operativo - Rif. Operating Instructions : Vedi foglio manuali Controllo visivo e dimensionale Visual and dimensional Chek PASS
Lenno 28-04-2005 ABB QUALITY TEST CHECK A. MORONI	Cliente - Customer - Client - Kunde

HAMILTON PRECISION METALS, INC.

1780 Rohrerstown Road Lancaster, PA 17601-2334
PHONE: (717) 569-7061 FAX: (717) 569-7642

AN ISO CERTIFIED COMPANY

CERTIFICATE OF CHEMICAL ANALYSIS AND PHYSICAL TESTS

DATE: Thursday, June 03, 2004	ORDER ID #: 52816
CUSTOMER: ABB SACE SPA	CUSTOMER P.O. NO.: 3500081384/A05
SPECIFICATIONS: 13312.51051/04; CONFORMS TO EN10204 3.1.B	
MATERIAL: SS 316L HVAR and 19% Ni Reg. U.S. Pat. TM. Other trademarks are the property of their respective owners.	SIZE: .05MM X 60MM X COIL
WORK ORDER #: 0400475/1	QUANTITY SHIPPED: 4 COILS 51 KGS

CHEMICAL ANALYSIS				HEAT NO: 11C8	
CO	.204	CR	17.034	CU	.355
MO	2.142	N	.050	NB	.036
S	.003	SI	.319	SN	
Y		ZN		ZR	
BE		FE	68.081	H	
C	.021	CA		CB	
MG		MN	1.623	PB	
O		P	.029	W	
TA		TI		V	

Composition In Wt % (*Denotes PPM) (< Denotes Less Than)

PHYSICAL TEST RESULTS

PHYSICAL TEST RESULTS		HEAT NO.: 11C8				COIL NO.: 5401C	
TEMPER	HARDNESS	TENSILE (KSI)	YIELD (KSI)	% ELONGATION in 2"	DIRECTION		
COLD ROLLED			83.5	22.3	LONGITUDINAL		
SURFACE TREATMENT		OTHER TESTS					
GRAIN	SURFACE ROUGHNESS						

Comments: TENSILE TEST DIAGRAM INCLUDED WITH SHIPMENT.

CODE ABB 1331251051

SUBSCRIBED AND SWORN TO ME THIS
OF

DAY

Notary Public

I HEREBY CERTIFY THAT THE CHEMICAL AND PHYSICAL OR MECHANICAL TESTS REPORTED ABOVE ARE CORRECT IN THE RECORDS OF THE COMPANY. THE MATERIAL DESCRIBED BY THIS CERTIFICATE IS IN FULL COMPLIANCE WITH THE SUBJECT PURCHASE ORDER AND DRAWINGS OR SPECIFICATIONS REFERENCED ON SAID PURCHASE ORDER EXCEPT AS MAY BE SPECIFICALLY NOTED ON THIS CERTIFICATE.

Gil Spavarsli

Authorized Quality Representative

SF 4120 - 7, Rev. 12/16/03

Certificate No. A49889-0930

Date: SEP 30 '04 Page: 1

CONCORD INTERNATIONAL IND. LTD.
聯達股份有限公司

ABB SACE S.p.A.

Order No: 3500095362/A05

Product's Name:

PN062070

Chemical Composition %

Specification		C	Si	Mn	P	S	Ni	Cr	Mo					Material
Heat no	Material												specification	
04-08	CF3M	<0.03	<1.5	<1.5	<0.04	<0.04	9~13	17~21	2~3				90 DEG FLANGE MTL:ASTM A351 GR CF3M (316L) MACHINED TO PN062210	
Heat Treatment												Total: 372PCS		
Method of Treatment	Holding Temperature											Test Coupon: Type of Specimen: Tensile Test: Bending Test: Impact Test:	Tensile Test Specimen ; Gage Length Diameter Area	

1080°C **High** **Very High** **Solution**

Remarks

Mechanical Properties

[illegible]

We Hereby certify, that the material described above has been tested and complies with the terms of the order contract.

1.DELIVERY: 366PCS SEP 30 2004 PO.35009362/A05
INVOICE NO. C040930(AKT)

CODE ABB PW06Z0

Approval: _____
Inspector: _____

St. Louis