

# Certificates and Material Traceability Documents selectable for 266 Pressure Transmitter Models 2600T Series Pressure Transmitters

Pressure Measurement  
Engineered solutions for all  
applications



## Introduction

Configuring a transmitter is the most important phase after understanding what customers need on their plants. This document will guide you through the selection of different certificate and material traceability documents available within 266 pressure transmitter family.

By looking at a clear sample of each certificate and reading some brief explanations, you will be able to understand in detail how wide is our offering and what we have developed to meet customers' requirements.

## What kind of document can we provide to the customer?

After the selection of the main digit that characterizes the transmitter (such as "sensor range", "flange material" etc.) you will find many additional ordering information. Under the characteristic called "Certificate" you will find these options:

Inspection certificate EN 10204–3.1 of calibration (9-point) .....	C1
Inspection certificate EN 10204–3.1 of the cleanliness stage .....	C3
Inspection certificate EN 10204–3.1 of helium leakage test of the sensor module .....	C4
Inspection certificate EN 10204–3.1 of the pressure test.....	C5
Certificate of compliance with the order EN 10204–2.1 of instrument design .....	C6
Printed record of configured data of transmitter .....	CG

**Important.** For the "Certificate" option, up to two different selections are allowed.

**Note.** If this option remains unselected, the transmitter will be shipped with a default calibration record (see page 14).

Moreover, under the characteristic called "Material traceability" you have the possibility of choosing one of the following documents:

Certificate of compliance with the order EN 10204–2.1 of process wetted parts .....	H1
Inspection certificate EN 10204–3.1 of process wetted parts .....	H3
Test report EN 10204–2.2 of pressure bearing and process wetted parts .....	H4

**Important.** For the "Material traceability" option, only one selection is possible.

**Note.** Certificates and Material traceability documents are supplied in an envelope inside the transmitter's box.

**Important.** Duplicates can be ordered separately for an additional charge.

## EN 10204 identifies different kinds of document (2.1, 2.2 and 3.1). What is their meaning?

- 2.1 certificates are documents in which the manufacturer declares that the products supplied are in compliance with the requirements of the order, without including any test results.
- 2.2 certificates are very similar to the 2.1 documents, but they also includes some test results based on non-specific inspection<sup>1</sup>.
- 3.1 certificates are documents issued by the manufacturer in which he declares that the product supplied are in compliance with the requirements of the order and in which he supplies test results. The test unit and the tests to be carried out are defined by the product specification, the official regulation and corresponding rules and/or the order. The document is validated by the manufacturer's authorized inspection representative, independent of the manufacturing department (typically the Quality dept.). Test results are based on specific inspection<sup>2</sup>.

It is important to clarify that the EN 10204 does not define the content of the different documents but identifies who shall be considered as responsible for the documents (inside or outside the manufacturer's company).

## Important remark

The Company's policy is one of continuous product improvement and we reserve the right of modifying the information contained inside these documents without previous notice.

For further information, please refer to your local ABB contact.

<sup>1</sup> Inspections carried out by the manufacturer in accordance with his own procedures to assess whether products defined by the specification and made by the same manufacturing process, are in compliance with the requirements of the order or not.

<sup>2</sup> Inspection carried out by the manufacturer, before delivery, according to the product specification on the products scope of the supply.

## Certificate C1: Inspection certificate of calibration (9-points) – EN 10204–3.1

The upper part of all our certificates show customers and transmitter data (product code, serial number, tag, output etc.). In the middle of the C1 certificate, a table detail the 9 pressure points. These values are generated using the test equipment listed below and the deviation between the output of the transmitter and the generated value is reported on the certificate. We certify that the instrument has been tested according to ABB standard and meets the stated performance.

### 2600T Pressure Transmitters

### C1 Inspection certificate of calibration

Inspection certificate  
Abnahmeprüfzeugnis  
Certificato di collaudo  
Certificat d'inspection  
**EN 10204 - 3.1**

Customer/Kunde/Cliente/Client

**abcdefghijklmnp**

Order - Auftrag - Ordine - Commande  
**1234567890**

ABB Instrumentation Inc  
East County Line Road  
WARMINSTER PA  
USA

Ref- Bestellung - Rif -Referencee  
**ABB1234567890**

Factory  
**ABB SpA Sace Division**

Factory Order Ack - Auftragsbest. - Conf. Ordine Interna - I/Commande recon  
**1234567890**

Internal O/A pos / s.pos  
**00030 / 000001**

#### Transmitter Information

Product Code

**266DRH1234567890123456 L1.C1**

Diaphragm seal S1 side

**S26RAH12345678901234567**

Diaphragm seal S2 side

**S26RAL12345678901234567**

Special version nr.

**SR08123 SR08124 SR08125**

Tag no. - Messstelle - Sigla - Repère

**123456789012345678901234567890**

Communication Tag no. - Messtelle - Sigla - Repère

**DPT12345**

Message

**PROJ. FU1**

Descriptor

**AIR FLOW TO BURNER 1**

Serial Number - Serien - Nr. Di serie - No. De série

**123456789012345678901234567890**

Meas Range-Meßbereich-Campo-Etendue de

**- 400 to + 400 mbar**

Adjusted to-Eingest. Auf.-Tarato a: - Ajusté à:

**0 to 250 mbar**

Output

**Linear**

#### Transducer information

Serial Number - Serien-Nr - Nr. Di serie - No. De série

**2605401165**

#### Communication board information

Serial Number - Serien-Nr - Nr. Di serie - No. De série

**34489**

Software revision

**1**

Hardware revision

**8**

#### Calibration Result - Ergebnis - Risultato - Résultat

Range Messpunkt Campo Echelle	Applied pressure Erreichter Druck Press. Applicata Pression Appliquée	Digital Output Digital Prüfling Uscita Digitale Sortie Numérique	Deviation Abweichung Deviazione Écart	Output current Ausgangsstrom Corr. Uscita Sortie analogique	Deviation Abweichung Deviazione Écart
%	bar	bar	% of span	mA	% of span
0	0,01	0,009	-0,01%	4,014	-0,01%
25	2,499	2,497	-0,02%	7,9938	-0,03%
50	4,999	4,997	-0,02%	11,994	-0,02%
75	7,5	7,499	-0,01%	15,995	-0,03%
100	10,001	10	-0,01%	19,998	-0,01%
75	7,501	7,503	0,02%	16,003	0,02%
50	4,998	4,999	0,01%	12	0,03%
25	2,496	2,498	0,02%	7,997	0,02%
0	0,001	0,003	0,02%	4,005	0,02%

Max. deviation from characteristic [%]  
Max. Kennlinienabweichung [%]  
Massimo errore della caratteristica [%]  
Déviation max. de la caractéristique[%]

**0,06**

Ambient temperature [°C]  
Umgebungstemperatur [°C]  
Temperatura ambiente [°C]  
Température ambiante [°C]

**22°C**

#### Test equipment information

Test equipment ID

DIPROS:: Calibration M30

Tool nr.

1

Operative mode

Automatic configuration

Multimeter type

Fluke 45 Serial nr. 6025075 (1.7 D1.0)

Pressure controller (1)

RUSKA 7000 0/40 kPa G.N. Serial nr. 40

We certify that the instrument has been tested according to the ABB standard and meets the specifications.

Wir bestätigen dass die Geräte nach dem ABB standard.

Si attesta che lo strumento è stato testato in accordo agli standard ABB e risulta rispondente alle specifiche.

Nous certifions que l'instrument a été contrôlé et répond aux normes ABB.

Calibration Location/ Date

ABB Quality test check

Inspector

**LENNO - 21/03/2008**

ABB S.p.A.  
22016 Lenno (CO)  
ITALY  
phone: +39 0344 58111  
Fax: +39 0344 56728  
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### Certificate C3: Inspection certificate of the cleanliness stage according to DIN 25410 – EN 10204–3.1

This certificate states that the sensor and the measuring chambers have been properly cleaned with a degreasing detergents. This certificate ensures that all the most important components of the sensor are completely free of oil and grease.

It is important to underline that this certificate is compatible with the oxygen service procedure (option P1).

## 2600T Pressure Transmitters

C3 Inspection certificate of the cleanliness stage according to DIN 25410

Inspection certificate  
Abnahmeprüfzeugnis  
Certificato di collaudo  
Certificat d'inspection  
**EN 10204 - 3.1**

Customer/Kunde/Ciente/Client

**abcdefghijklmnp**

Order - Auftrag - Ordine - Commande

**1234567890**

ABB Instrumentation Inc  
East County Line Road  
WARMINSTER PA  
USA

Supplier Ref- Bestellung - Rif Fornitore -Referencee  
**ABB1234567890**

Factory  
**ABB SpA Sace Division**

Factory Order Ack - Auftragsbest. - Conf. Ordine Interna - I/Commande recon  
**1234567890**

Internal O/A pos / s.pos  
**00030 / 000001**

### Transmitter Information

Product Code

**266DSH123456789012 L1.P1.C3**

Diaphragm seal S1 side

Diaphragm seal S2 side

Special version nr.

**SR0812 SR08124 SR08125**

Tag no. - Messstelle - Sigla - Repère

**123456789012345678901234567890**

Communication Tag no. - Messtelle - Sigla - Repère

**DPT12345**

Message

**PROJ. FU1**

Descriptor

**AIR FLOW TO BURNER 1**

Serial Number - Serien.-Nr - Nr. Di serie - No. De série

**123456789012345678901234567890**

#### Article to be tested:

Prüfobjekt  
Parti testate  
Objet d'essai

#### Measuring chambers of sensor

Messkammern der Messwerke  
Camera di misura del sensore  
Chambres de mesure de l'élément de mesure

#### Test requirement:

Prüfanforderung  
Requisiti di prova  
Exigence d'essai

#### Free of oil and grease

Öl- und fettfrei  
Esente da oli e grassi  
Depourvu d'huile et de graisse

#### Test result:

Ergebnis der Prüfung  
Risultato della prova  
Résultat de l'essai

#### The measuring chambers of the above measuring mechanism have been subject to a special cleaning.

Die Messkammern der obengenannten Messwerke wurden spezialgereinigt und sind somit öl- und fettfrei.  
La/e camera di misura del/i trasmettitore/i di cui sopra.  
Les chambres de mesure de l'élément de mesure ci-dessus ont été nettoyées spécialement

Location/ Date

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Inspector

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## Certificate C4: Inspection certificate of helium leakage test of the sensor module – EN 10204–3.1

The inspection certificate identified by digit C4 states that the sensor module mounted inside the transducer features high-quality, leakage-proof weldings. The test has been performed in vacuum conditions and with a certified helium leak detector (as detailed throughout the certificate).

After indicating the admissible rate, the user can see the exact amount of the air leakage of the sensor module.

### 2600T Pressure Transmitters

### C4 Inspection certificate of helium leakage test of the sensor module

Inspection certificate  
Abnahmeprüfzeugnis  
Certificato di collaudo  
Certificat d'inspection  
**EN 10204 - 3.1**

Customer/Kunde/Ciente/Client

**abcdefghijklmno**

Order - Auftrag - Ordine - Commande

**1234567890**

ABB Instrumentation Inc  
East County Line Road  
WARMINSTER PA  
USA

Supplier Ref- Bestellung - Rif Fornitore -Referencee

**ABB1234567890**

Factory

**ABB SpA Sace Division**

Factory Order Ack - Auftragsbest. - Conf. Ordine Interna - I/Commande recon

**1234567890**

Internal O/A pos / s.pos

**00030 / 000001**

#### Transmitter Information

Product Code

**266DRH1234567890123456 L1.C4**

Diaphragm seal S1 side

**S26RAH12345678901234567**

Diaphragm seal S2 side

**S26RAL12345678901234567**

Special version nr.

**SR0812 SR08124 SR08125**

Tag no. - Messstelle - Sigla - Repère

**123456789012345678901234567890**

Communication Tag no. - Messtelle - Sigla - Repère

**DPT12345**

Message

**PROJ. FU1**

Descriptor

**AIR FLOW TO BURNER 1**

Serial Number - Serein-Nr - Nr. Di serie - No. De série

**123456789012345678901234567890**

#### Article to be tested:

Prüfobjekt  
Parti testate  
Objet d'essai

#### Test requirement:

Prüfanforderung  
Requisiti di prova  
Exigence d'essai

#### Test instrument:

Prüfgerät  
Strumento di prova  
Appareil d'essai

#### Test result:

Ergebnis der Prüfung  
Risultato della prova  
Résultat de l'essai

#### Helium leak test according to the vacuum method

Helium-Dichtigkeitsprüfung nach der Vacuummethode  
Test di tenuta ad elio secondo la metodologia in vuoto  
Essai d'étanchéité à hélium selon la méthode du vide

#### Admissible air leak rate between measuring chamber and atmosphere 1 x 10<sup>-7</sup> mbars l/s.

Zulässige Luft-Leckrate zwischen Messkammer und Atmosphäre 1 x 10<sup>-7</sup> mbar l/s.  
Perdita ammissibile tra la camera di misura e l'atmosfera 1 x 10<sup>-7</sup> mbar l/s.  
Taux de fu

#### Helium leak detector type: PFEIFER HLT 260

Helium-Lecksuchgerät Modell: PFEIFER HLT 260  
Rivelatore di perdite ad elio tipo: PFEIFER HLT 260  
Détecteur de fuite d'hélium type: PFEIFER HLT 260

#### Air leak rate < 1 x 10<sup>-7</sup> mbars l/s

Luft-Leckrate < 1 x 10<sup>-7</sup> mbar l/s.  
Perdita rilevata < 1 x 10<sup>-7</sup> mbar l/s.  
La fuite relevée est inférieure à 10<sup>-7</sup> mbar l/s.

Location/ Date

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## Certificate C5: Inspection certificate of the pressure test – EN 10204–3.1

This document certifies that the instrument has been tested at a pressure always considerably higher than the operating line pressure in order to give a margin for safety. This margin of safety is typically 1.5 of the design pressure (equal to 150% of the MWP). The result of the test and its relevant duration are stated in this certificate.

### 2600T Pressure Transmitters

#### C5 Inspection certificate of the pressure test

Inspection certificate  
Abnahmeprüfzeugnis  
Certificato di collaudo  
Certificat d'inspection  
**EN 10204 - 3.1**

Customer/Kunde/Ciente/Client

**abcdefghijklmnp**

Order - Auftrag - Ordine - Commande

**1234567890**

ABB Instrumentation Inc  
East County Line Road  
WARMINSTER PA  
USA

Supplier Ref- Bestellung - Rif Fornitore -Referencee  
**ABB1234567890**

Factory  
ABB SpA Sace Division

Factory Order Ack - Auftragsbest. - Conf. Ordine Interna - I/Commande recon  
**1234567890**

Internal O/A pos / s.pos  
00030 / 000001

#### Transmitter Information

Product Code

**266DRH1234567890123456 L1.C5**

Diaphragm seal S1 side

**S26RAH12345678901234567**

Diaphragm seal S2 side

**S26RAL12345678901234567**

Special version nr.

**SR0812 SR08124 SR08125**

Tag no. - Messstelle - Sigla - Repère

**123456789012345678901234567890**

Communication Tag no. - Messtelle - Sigla - Repère

**DPT12345**

Message

PROJ. FU1

Descriptor

AIR FLOW TO BURNER 1

Serial Number - Serien-Nr - Nr. Di serie - No. De série

**123456789012345678901234567890**

**Test pressure [bar]:**

Prüfdruck [bar]  
Pressione di prova [bar]  
Pression d'essai [bar]

**= 1.5 x PN\***

**Duration of test [min]:**

Prüfdauer [min]:  
Durata [min]  
Durée d'essai [mn]:

**15**

**Test result:**

Ergebnis der Prüfung  
Risultato della prova  
Résultat de l'essai

**The results are acceptable**

Es ergaben sich keine Beanstandungen  
Il risultato della prova è accettabile  
conforme sans réserves

\* PN represents the Nominal Pressure of the instrument

Location/ Date

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## Certificate C6: Certificate of compliance with the order of instrument design – EN 10204–2.1

In this document the ABB certifies that the product supplied is in compliance with the requirements of the order, without mention of any test results. The certificate of compliance with the order is a document drawn up on the basis of non-specific inspection and testing.

### 2600T Pressure Transmitters

#### C6 Certificate of compliance with the order of instrument design

Declaration of compliance  
Werksbescheinigung  
Certificato di conformità  
Attestation de conformité  
**EN 10204–2.1**

Customer/Kunde/Cliente/Client

**abcdefghijklmno**

Order - Auftrag - Ordine - Commande

**1234567890**

ABB Instrumentation Inc  
East County Line Road  
WARMINSTER PA  
USA

Supplier Ref- Bestellung - Rif Fornitore -Referencee

**ABB1234567890**

Factory

**ABB SpA Sace Division**

Factory Order Ack - Auftragsbest. - Conf. Ordine Interna - I/Commande

**1234567890**

Internal O/A pos / s.pos

**00030 / 000001**

#### Transmitter Information

Product Code

**266DRH1234567890123456 L1.C6**

Diaphragm seal S1 side

**S26RAH12345678901234567**

Diaphragm seal S2 side

**S26RAL12345678901234567**

Special version nr.

**SR0812 SR08124 SR08125**

Tag no. - Messstelle - Sigla - Repère

**123456789012345678901234567890**

Communication Tag no. - Messtelle - Sigla - Repère

**DPT12345**

Message

**PROJ. FU1**

Descriptor

**AIR FLOW TO BURNER 1**

Serial Number - Serein-Nr - Nr. Di serie - No. De série

**123456789012345678901234567890**

We hereby certify that the above mentioned goods have been manufactured with materials and procedures to ensure compliance with specifications.

These goods have been performance checked prior to despatch and were found to be within their specification limits and corresponding with the above order.

Wir Zertifizieren das die obengenannten Materialien mit den höchsten Standards produziert werden.

Diese Waren werden ausführlich geprüft bevor die Lieferung stattfindet, befinden sich in den Grenzen Ihren technische Spezifikation und entsprechen den Kaufauftrag.

Certifichiamo che le parti descritte in questo documento sono state prodotte con materiali e secondo procedure tali da garantire la conformità alle specifiche.

Le stesse parti sono stati provate e controllate prima della spedizione e sono state trovate entro i limiti previsti dai relativi dati tecnici e conformi al Vs. ordine in oggetto.

Nous certifions que les parties décrites dans ce document ont été réalisé avec des matériaux et selon des procédures qui garantissent la conformité aux spécifications.

Les mêmes parties ont été testés et vérifiés avant expédition. Elles sont dans les limites prevues par les données techniques et sont aussi conformes à la commande en question.

Location/ Date

**LENNO - 21/03/2008**

ABB Quality test check

Inspector

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## Certificate CG: Printed record of configured data of the transmitter

These two-page certificate identified by the digit CG is issued by the manufacturing department and lists all the available configurable data of the transmitter. By reading it, users can find details about process variable, HART mapping, current output limits, double and batch totalizers' settings (such as unit, conversion factor, status, and mode), display, sensor and remote seal.

### 2600T Pressure Transmitters

### CG Printed record of configured data of the transmitter

Configuration protocol  
Gerätedatenprotokoll  
Protocollo di configurazione  
Attestation de configuration

Customer/Kunde/Cliente/Client

**abcdefghijklmno**

Order - Auftrag - Ordine - Commande

**1234567890**

ABB Instrumentation Inc  
East County Line Road  
WARMINSTER PA  
USA

Supplier Ref- Bestellung - Rif Fornitore - Referencee  
**ABB1234567890**

Factory

**ABB SpA Sace Division**

Factory Order Ack - Auftragsbest. - Conf. Ordine Interna - I/Commande recon  
**1234567890**

Internal O/A pos / s\_pos  
**00030 / 000001**

#### Transmitter Information

Product Code

**266DSH1234567890123456 L1.C1.S1**

Diaphragm seal S1 side

**S26RAH12345678901234567**

Diaphragm seal S2 side

**S26RAL12345678901234567**

Special version nr.

**SR08123 SR08124 SR08125**

Tag no. - Messstelle - Sigla - Repère

**123456789012345678901234567890**

Communication Tag no. - Messstelle - Sigla - Repère

**DPT12345**

Message

**PROJ. FU1**

Descriptor

**AIR FLOW TO BURNER 1**

Serial Number - Serein-Nr - Nr. Di serie - No. De série

**123456789012345678901234567890**

<b>P / DP</b> <b>PV - Prozessvariable - Variabile di processo - Variable de procédé</b> Unit - Einheit - Unità - Unité Lower Range Value - Messanfang - Valore inferiore del campo scala - Valeur inférieure d'étalonnage Upper Range Value - Messende - Valore superiore del campo scala - Valeur supérieure d'étalonnage <b>Transferfunction - Übertragungsfunktion - Funzione di trasferimento - Fonction transfert de sortie</b> Linearization Type - Kennlinie - Linearizzazione - Linearisation <b>Square Root Setting - Einstellung Radizierung - Impostazioni radice quadrata - Programmation de la racine carrée</b> Low Flow Cut Off - Nullrücken - Punto di minima portata - Point de débit minimum Linear Sq Rooting Point - Lin/Rad Übergang - Punto di estrazione della radice quadrata - Sortie de la racine carrée <b>Output - Ausgang - Uscita - Sortie</b> Damping - Dämpfung - Smorzamento - Amortissement	kPa 10 kPa 35 kPa  Square Root Transfer function  0% 5%  0 Seconds
<b>HART Mapping - Variablen Zuordnung - Mapping HART - Mappage HART</b> PV 4...20 mA SV TV QV	
<b>Current Output - Stromausgang - Corrente d'uscita - Courant de sortie</b> <b>Current Fail Safe - Alarmstrom - Fallimento in sicurezza - Sécurité intrinsèque</b> Fail Safe Level - Ausgang im Fehlerfall - Livello di fallimento in sicurezza - Niveau de sécurité intrinsèque <b>Current Saturation Limits - Stromgrenzen - Limite di saturazione - Limites de saturation</b> Low Saturation - Minimalstrom - Limite basso di saturazione - Limite bas de saturation High Saturation - Maximalstrom - Limite alto di saturazione - Limite haut de saturation <b>Current Alarm Limits - Alarmstrom - Limiti per allarme di processo - Limites pour regler l'alarme de procédé</b> Low Alarm Value - Tiefalarmstrom - Limite inferiore - Limite inférieure High Alarm Value - Hochalarmstrom - Limite superiore - Limite supérieure	3,6 mA 22 mA
<b>Totalizer - Zähler - Totalizzatore - Totalisateur</b> <b>Input Setting - Eingangs-Einstellung - Impostazioni input - Réglage de la courant d'entrée</b> Status Mode - Modus - Modo - Mode <b>Totalizer 1 - Zähler 1 - totalizzatore 1 - Totalisateur 1</b> Unit - Einheit - Unità - Unité Conv.Factor - Umwandlungsfaktor - Fattore di conversione - Facteur de conversion Custom Unit - Sondereinheit - Unità di misura personalizzate - Unités de mesure personnalisées <b>Totalizer 2 - Zähler 2 - Totalizzatore 2 - Totalisateur 2</b> Unit - Einheit - Unità - Unité Conv.Factor - Umwandlungsfaktor - Fattore di conversione - Facteur de conversion Custom Unit - Sondereinheit - Unità di misura personalizzate - Unités de mesure personnalisées <b>Batch-Setting - Einstellungen</b> Count Direction - Zählrichtung Preset Value - Voreingestellter Wert Reload - Neu laden	Normal  t 1 -/  yd³ 100 -/  0
<b>Display - Anzeige - Display - Afficheur</b> Language - Sprache - Lingua - Langue <b>Setting - Einstellung - Impostazioni - Réglage</b> Mode - Modus - Modo - Mode Line 1 View - Ansicht Zeile 1 - Visualizzazione linea 1 - Vue 1ère ligne Line 2 View - Ansicht Zeile 2 - Visualizzazione linea 2 - Vue 2ème ligne Bargraph View - Balkendiagramm-Ansicht - Bargraph - Histogramme <b>Scaling - Skalierung - Scala - Echelle</b> Linearization Type - Kennlinie - Linearizzazione - Linearisation Unit - Einheit - Unità - Unité Upper Range Value - Messende - Valore superiore del campo scala - Valeur supérieure d'étalonnage Lower Range Value - Messanfang - Valore inferiore del campo scala - Valeur inférieure d'étalonnage Custom Unit - Sondereinheit - Unità di misura personalizzate - Unités de mesure personnalisées	Linear °C 90 -/ -40 -/ -/

<p><b>P-dP Sensor - Messwerk - Sensore - Capteur</b>  Lower Sensor Limit - Untere Messbereichsgrenze - Limite inferiore - Valeur de limite inférieure  Upper Sensor Limit - Obere Messbereichsgrenze - Limite superiore - Valeur de limite supérieure  Minimum Span - Kleinste Spanne - Span - Étendue minimale</p> <p><b>Operational Limits - Betriebsgrenzen - Limiti operativi - Valeur limite</b>  Max Working Pressure - Max. Betriebsdruck - Massima pressione d'esercizio - Pression de service maximale</p> <p><b>Temperature - Temperature - Temperatura - Temperature</b>  Unit - Einheit - Unità - Unité  Minimum Ambient Temperature - Minimale Umgebungstemperatur - Temperatura amb. min. - Temperature amb. min.  Maximum Ambient Temperature - Maximale Umgebungstemperatur - Temperatura amb. max. - Temperature amb. max.</p> <p><b>Sensor materials - Werkstoffe Messwerk - Materiale del sensore - Matières du capteur</b>  Diaphragm Material - Membranwerkstoff - Materiale della membrana - Matière de la membrane  Filling Fluid - Füllflüssigkeit - Fluido di riempimento - Fluide de remplissage</p> <p><b>Process Connection High Side - Prozessanschluss Plusseite - Connessione al processo lato positivo - Raccordement procédé côté de pression positive</b>  Connection Type - Anschlussart - Tipo di connessione - Raccordement procédé  Flange Material - Kappenwerkstoff - Materiale della flangia - Matière de la bride  O-Ring Material - Werkstoff O-Ring - Materiale dell'O-Ring - Matière de joints  Blanking Plug - Verschlussstopfen - Tappo di chiusura - Bouchon</p> <p><b>Process Connection Low Side - Prozessanschluss Minuseite - Connessione al processo lato negativo - Raccordement procédé côté de pression negative</b>  Connection Type - Anschlussart - Tipo di connessione - Raccordement procédé  Flange Material - Kappenwerkstoff - Materiale della flangia - Matière de la bride  O-Ring Material - Werkstoff O-Ring - Materiale dell'O-Ring - Matière de joints  Blanking Plug - Verschlussstopfen - Tappo di chiusura - Bouchon</p>	<p>-40 kPa  40 kPa  0,4 kPa</p> <p>41,1 MPa</p> <p>°C</p> <p>Hastelloy C276  Silicon oil</p>
<p><b>Diaphragm Seal - Druckfühler - Separatore - Séparateur</b>  Quantity - Anzahl - Quantità - Quantité</p> <p><b>High Side - Plusseite - Lato positivo - Côté de pression positive</b>  Type - Typ - Tipo - Type  Diaphragm Material - Membranwerkstoff - Materiale della membrana - Matière de la membrane  Filling Fluid - Füllflüssigkeit - Fluido di riempimento - Fluide de remplissage</p> <p><b>Low Side - Minuseite - Lato negativo - Côté de pression negative</b>  Type - Typ - Tipo - Type  Diaphragm Material - Membranwerkstoff - Materiale della membrana - Matière de la membrane  Filling Fluid - Füllflüssigkeit - Fluido di riempimento - Fluide de remplissage</p>	<p>2</p>

Location/ Date

LENNO - 21/03/2008

ABB S.p.A.  
22016 Lenno (CO)  
ITALY  
phone: +39 0344 58111  
Fax: +39 0344 56728  
www.abb.com

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## Certificate H1: Certificate of compliance with the order of process wetted parts – EN 10204–2.1

H1 is a material traceability document that represents a declaration of conformity issued by ABB Quality department without mentioning any test or any other certificate. The certificate reports that all melt analysis of metallic parts are within the limit values according to the standards: DIN, EN, ISO and ASTM. Moreover it declares that a visual and dimensional check of the pressure bearing and process wetted parts has been carried out stating also the relevant result.

### 2600T Pressure Transmitters

### H1 Material declaration for the pressure bearing and process wetted parts

Declaration of compliance  
Werksbescheinigung  
Certificato di collaudo  
Attestation de conformité  
**EN 10204 - 2.1**

Customer/Kunde/Cliente/Client  
**abcdefghijklmnp**  
Order - Auftrag - Ordine - Commande  
**1234567890**

ABB Instrumentation Inc  
East County Line Road  
WARMINSTER PA  
USA  
Supplier Ref- Bestellnummer - Rif Fornitore - Referencee  
**ABB1234567890**  
Factory Herstellerwerk  
**ABB SpA Sace Division**  
Factory Order Ack - Auftragsbest. - Conf. Ordine Interna - I/Commande recon  
**1234567890**  
Internal O/A pos / s.pos  
00030 / 000001

#### Transmitter Information

Product Code <b>266DRH1234567890123456 L1.H1</b>	Tag no. - Messstelle - Sigla - Repère <b>123456789012345678901234567890</b>	Serial Number - Serien.-Nr - Nr. Di serie - No. De série <b>123456789012345678901234567890</b>
Diaphragm seal S1 side <b>S26RAH12345678901234567</b>	Communication Tag no. - Kommunikationsname - Sigla - Repère <b>DPT12345</b>	
Diaphragm seal S2 side <b>S26RAL12345678901234567</b>	Message Zusatzinfo <b>PROJ. FU1</b>	
Special version nr. <b>SR0812: SR08124 SR08125</b>	Descriptor Beschreibung <b>AIR FLOW TO BURNER 1</b>	

	Hi Pressure Side Material	Low pressure side Material
Designation		
Sensor Isolating diaphragm*		N/A
Sensor flange/process connection		
Flange bolts		
Flange nut		
Sensor body		
Sealing plug		
Vent valve body		
Vent valve stem		
Sensor O-ring*		
Oval flange adapters		
Oval flanges adapter - Gasket		
Diaphragm seal diaphragm*	316L	316L
Diaphragm seal extension pipe	316L	316L
Diaphragm Seal pressure bearing bolts		A70
Diaphragm seal flushing ring	316L	316L
Flushing ring plug/ vent valve body	316L	316L
Flushing ring vent valve stem	316L	316L
Diaphragm seal spud	N/A	N/A

\* **Material certificate for small parts: All melt analysis of metallic parts are within the limit values according to the standards: DIN, EN, ISO and ASTM.**

Werkstoffbescheinigung für Kleinteile: Alle Schmelzenanalysen der metallischen Teile liegen innerhalb der Grenzwerte der Normen: DIN, EN, ISO und ASTM.

Certificazione materiali per piccole parti: tutte le analisi delle parti metalliche sono all'interno dei limiti stabiliti dalle norme DIN, EN, ISO e ASTM.

Certificat de matière pour pièces de petit dimensions: Toutes les analyses de couléé des pièces métalliques se trouvent dans les valeur limites selon les standards: DIN, EN, ISO at ASTM.

**A Visual and dimensional check of the pressure bearing and process wetted parts was carried out.**

Die Sicht- und Maßkontrolle der drucktragenden und messtoffberührten Teile wurden entsprechend den Bausatzunterlagen durchgeführt.

Il collaudo visivo dimensionale delle parti bagnate ed in pressione è stato effettuato.

L'inspection ainsi que les contrôlé dimensionnels des pieces de pression et en contact avec le médium ont été exécutés.

**The results are acceptable**

Es ergaben sich keine Beanstandungen

Il risultato è conforme

Conforme sans réserves.

Location/ Date

ABB Quality test check

Inspector

LENNO - 21/03/2008

ABB s.p.A  
22016 Lenno (CO)  
ITALY  
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Fax: +39 0344 56728  
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### Certificate H3: Material certificate for pressure bearing and process wetted parts – EN 10204-3.1

This document, issued by the manufacturer, reports the complete traceability data according to EN 10204-3.1. The numbers close to each part refer to the material certificate provided by the raw material suppliers (and delivered together with ABB H3 certificate). The instrument wetted parts (with the exception of the diaphragm) are also engraved with the heat number from the mill. It includes, in addition, all the data shown on H1 declaration of compliance. Supplier traceability document on the following page.

## 2600T Pressure Transmitters

### H3 Material certificate for the pressure bearing and process wetted parts

Declaration of compliance  
 Werksbescheinigung  
 Certificato di collaudo  
 Attestation de conformité  
**EN 10204 - 3.1**

Customer/Kunde/Cliente/Client  
**abcdefghijklmno**  
 Order - Auftrag - Ordine - Commande  
**1234567890**

ABB Instrumentation Inc  
 East County Line Road  
 WARMINSTER PA  
 USA  
 Supplier Ref- Bestellung - Rif Fornitore -Referencee  
**ABB1234567890**  
 Factory  
**ABB SpA Sace Division**  
 Factory Order Ack - Auftragsbest. - Conf. Ordine Interna - I/Commande recon  
**1234567890**  
 Internal O/A pos / s\_pos  
**00030 / 000001**

#### Transmitter Information

Product Code <b>266DRH1234567890123456 L1.H3</b>	Tag no. - Messstelle - Sigla - Repère <b>123456789012345678901234567890</b>	Serial Number - Serien-Nr - Nr. Di serie - No. De série <b>123456789012345678901234567890</b>
Diaphragm seal S1 side <b>S26RAH12345678901234567</b>	Communication Tag no. - Kommunikationsname - Sigla - Repère <b>DPT12345</b>	
Diaphragm seal S2 side <b>S26RAL12345678901234567</b>	Message <b>PROJ. FU1</b>	
Special version nr. <b>SR0812: SR08124 SR08125</b>	Descriptor <b>AIR FLOW TO BURNER 1</b>	

Designation	Hi Pressure Side		Low pressure side	
	Material	Identification/cert. nr	Material	Identification/cert. nr
Sensor Isolating diaphragm*				
Sensor flange/process connection				
Flange bolts				
Flange nut				
Sensor body				
Sealing plug				
Vent valve body				
Vent valve stem				
Sensor O-ring*				
Oval flange adapters				
Oval flanges adapter - Gasket				
Diaphragm seal diaphragm*	316L	<u>13312.13026 245545</u>	316L	<u>13312.13026 245545</u>
Diaphragm seal extension pipe	316L	123456789	316L	123456789
Diaphragm Seal pressure bearing bolts	A70	123456789	A70	123456789
Diaphragm seal flushing ring	316L	123456789	316L	123456789
Flushing ring plug/ vent valve body	316L	123456789	316L	123456789
Flushing ring vent valve stem	316L	123456789	316L	123456789
Diaphragm seal spud	N/A	N/A	N/A	N/A

\* Material certificate for small parts: All melt analysis of metallic parts are within the limit values according to the standards: DIN, EN, ISO and ASTM.

Werkstoffbescheinigung für Kleinteile: Alle Schmelzenanalysen der metallischen Teile liegen innerhalb der Grenzwerte der Normen: DIN, EN, ISO und ASTM.

Certificazione materiali per piccole parti: tutte le analisi delle parti metalliche sono all'interno dei limiti stabiliti dalle norme DIN, EN, ISO e ASTM.

Certificat de matière pour pièces de petit dimensions: Toutes les analyses de coulée des pièces métalliques se trouvent dans les valeur limites selon les standards: DIN, EN, ISO at ASTM.

#### A Visual and dimensional check of the pressure bearing and process wetted parts was carried out.

Die Sicht- und Maßkontrolle der drucktragenden und messtoffberührten Teile wurden entsprechend den Bausatzunterlagen durchgeführt.

Il collaudo visivo dimensionale delle parti bagnate ed in pressione è stato effettuato.

L'inspection ainsi que les contrôles dimensionnels des pièces de pression et en contact avec le médium ont été exécutés.

#### The results are acceptable

Es ergaben sich keine Beanstandungen

Il risultato è conforme

Conforme sans réserves.

Location/ Date

ABB Quality test check

Inspector

LENNO - 21/03/2008

ABB s.p.A  
 22016 Lenno (CO)  
 ITALY  
 phone: +39 0344 58111  
 Fax: +39 0344 56728  
 www.abb.com

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**Sample of supplier material traceability document delivered with H3 certificate**

The below document is a sample of the material traceability report always enclosed to H3 certificate.



Issued by the concerned supplier of the part, the document hereafter shows highlighted data which are mentioned on ABB certificate.

# Acciaierie Valbruna S.p.A.

36100 VICENZA (Italia) - Viale della scienza, 25 z.i.  
 Stab.: 39100 BOLZANO (Italia) - Via A. Volta, 4  
 Cliente / Besteller/Purchaser/Client  
**ABB SPA**  
 VIA VITTOR PISANI, 16  
 20124-MILANO-MI

Produttore: **ACCIAIERIE VALBRUNA S.P.A.**  
 Hersteller/Item/Usine productrice

Oggetto Prove: - Solubilizzato FINITO A FREDDO  
 Prüfgegenstand/Item Inspected/Finissage

**CERTIFICATO DI COLLAUDO  
 ABNAHMEPRUEFZEUGNIS  
 INSPECTION CERTIFICATE  
 CERTIFICAT DE RECEPTION  
 EN 10204 (2005) , 3.1**

Certificato nr: MEST686486/2008/  
 Prüfung/Test/Essai

Conferma ordine nr: MI08006822  
 Werks/Our Order/Ref. nr.

Marchio di Fabbrica:  
 Zeichen des Lieferwerkes  
 Trade mark  
 Sigle de l'usine productrice

Punzone del Collaudatore:  
 Stempel des Werksachverständigen  
 Inspector's stamp/Poinçon de l'essayeur

Avviso di Spedizione: A-MI08007467  
 Lieferanzeige/Packing list/B.L.

Ordine nr: 4530032473.A02  
 Bestell/Your order/Commande

Tipo di Elaborazione: E+AOD  
 Erhitzungsart/Melting process/Mode d'elaboration

CODE ABB 13312.13026

**Specifiche:**  
 Anforderungen / Requirements / Exigences

VAL STOCK 2005 1.4404/316L A,CF AMS 5648 K S31600 A ASME SA182 2007 S31603 A 1 ASME SA479 2007 S31600 A 4 ASTM A182 2007A S31603 A 7 ASTM A276 2006 S31603 A,CF EN 10088-3 2005 1.4401 A,CF EN 10272 2000 1.4404 A,CF QQ-S-763 F 316 A,CF (0) SEC.II PT.A 2007 EDITION (1) SEC.II PT.A 2007 EDITION (2) SEC.II PT.A 2007 EDITION (4) SEC.II PT.A 2007 EDITION (6) Chemical analysis only and mechanical properties. (8) * ISO 15158-3	AISI 316 AMS 5653 F S31603 A ASME SA276 2007 S31600 A,CF 2 ASME SA479 2007 S31603 A 5 ASTM A262 2002A PRACTICE E ASTM A479 2006A S31600 A EN 10088-3 2005 1.4404 A,CF NACE MR0175* 2003 S31600 a QQ-S-763 F 316L A,CF	AISI 316L ASME SA182 2007 S31600 A (0) ASME SA276 2007 S31603 A,CF (3) ASTM A182 2007A S31600 A (6) ASTM A276 2006 S31600 A,CF ASTM A479 2006A S31603 A EN 10272 2000 1.4401 A,CF NACE MR0175* 2003 S31603 (9)
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0) Chemical analysis only and mechanical properties.  
 1) Chemical analysis only and mechanical properties.  
 3) SEC.II PT.A 2007 EDITION  
 5) SEC.II PT.A 2007 EDITION  
 7) Chemical analysis only and mechanical properties.  
 9) ISO 15158-3

Qualità: 1.4404/316/316L  
 Werkstoff/Grade/Nuance

Marca: MVAPML MAXIVAL  
 Markenbezeichnung/Brand/Nuance

Punzonatura: 1.4404/316/316L  
 Kennzeichnung/Marking/Marquage

Pos. nr. Pos. nr. Item nr. Nr. de poste	Oggetto Gegenstand Product description Descrip. du produit	Dimensioni - mm Abmessungen Dimension Dimension	Tolleranza Toleranz Allowance Tolerance	Lunghezza - mm Länge Length Longueur	Colata Schmelze Heat Coulée	Pezzi Stückzahl Pieces Pièces	Peso - KG Gewicht Weight Poids	Lotto nr. Losn. Lot nr. Lot nr.
0010	Tondo	26,000	k12	5290 / 5320	245545		69,0	814500330

Sono state soddisfatte tutte le condizioni richieste  
 Die gestellten Anforderungen sind i. Anlage erfüllt  
 The material has been furnished in accordance with the requirements  
 Le matériel a été trouvé conforme aux exigences

Controllo antimiscelanza: OK  
 Verwechslungsprüfung: spectralanalytisch durchgeführt  
 Antimixing testing performed: OK  
 Contrôle antimélange fait: r.a.s.

Controllo visivo e dimensionale: soddisfa le esigenze:  
 Besichtigung und Ausmessung: ohne Beanstandung  
 Visual inspection and dimensional checks: satisfactory  
 Contrôle visuel et dimensions: satisfaisant

TEST	Provetta/Probes Speichens/Epcouvette Long diam. Ø/mm Ø/mm Diam. Thickn. Long diam. ø/mm mm	°C	Posto Saggio Fokussier Position 1)	Snervamento Streckgrenze Yield Stress Limite élastique Rp 0,2% N/mm2	Snervamento Yield Stress Limite élastique Rp 1% N/mm2	Resistenza Zugfestigkeit Tensile strength Resistance à traction Rm N/mm2	Allungamento Bruchdehnung Elongation Allongement A5 % E 4d %	Strizione Überschneidung Reduction of area Striction Z %	Resilienza Kerbschlagenergie Impact Value Resilience KV J	Durezza Härte Hardness Dureté HB
	Valori richiesti 1 Anforderungen/Required values Valeurs demandées	min max		207	235	517 900	20 30	-	100	140 235
A	10	20	L	463	544	680	47 49	66	66	180 182 185
B	10	20	L	469	548	686	46 48	65	65	186 185 182

1) L=longitudinale/längs, Q=trasversale/quer, T=Tangenziale/tangentiel

Dimensioni grano x ASTM E112 : 5 - TEST B

**Analisi chimica**  
 Chemische Zusammensetzung/Chemical Analysis/Analyse chimique

Colata /Heat Schmelze/Coulée	min - max	0,030	1,00	1,25 2,00	16,50 18,00	2,00 2,50	1,00	10,00 13,00	-	0,040	0,030	0,100	-	-	-
	C %	Si %	Mn %	Cr %	Mo %	Cu %	Ni %	Co %	P %	S %	N %				
245545	0,016	0,55	1,57	17,05	2,05	0,53	10,10	0,100	0,028	0,029	0,069				

Intergranular corrosion test per ASTM A262 pract. E: ok.  
 I. Korrosion nach EN ISO 3651-2A Sensibilisierung : T1 : OK  
 Corrosion test per EN ISO 3651-2A sensitized T1 : OK

Melted and manufactured in Italy No welding or weld repair Material free from Mercury or radio-activity contamination  
 The Quality Management System is Certified acc. Pressure Equipment Directive [97/23/EC] Annex 1, s. 4.3 by TUEV and LLOYD'S

Vicenza, 27/10/08  
 VGG012  
 (Mod. MCER)

Il collaudatore di stabilimento / der Werkssachverständige / Works inspector / L'agent d'usine

M. Rizzotto

Pagina - 1 di 1

## Certificate H4: Test report of pressure bearing and process wetted parts - EN 10204-2.2

H4 is a document in which the ABB certifies that the pressure bearing and process wetted parts supplied are in compliance with the requirements of the order. Moreover, inside this certificate, ABB supplies test results based on non-specific inspection and testing as well as some traceability data.

### 2600T Pressure Transmitters

#### H4 Test report for the pressure bearing and process wetted parts

Declaration of compliance  
Werksbescheinigung  
Certificato di collaudo  
Attestation de conformité  
**EN 10204 - 2.2**

Customer/Kunde/Cliente/Client

**abcdefghijklmnp**

Order - Auftrag - Ordine - Commande  
**1234567890**

ABB Instrumentation Inc  
East County Line Road  
WARMINSTER PA  
USA

Supplier Ref - Bestellung - Rif Fornitore - Reference  
**ABB1234567890**

Factory  
**ABB SpA Sace Division**

Factory Order Ack - Auftragsbest. - Conf. Ordine Interna - I/Commande recon  
**1234567890**

Internal O/A pos / s.pos  
**00030 / 000001**

#### Transmitter Information

Product Code

**266DSH1234567890123456 L1.H4**

Diaphragm seal S1 side

**S26RAH12345678901234567**

Diaphragm seal S2 side

**S26RAL12345678901234567**

Special version nr.

**SR0812 SR08124 SR08125**

Tag no. - Messstelle - Sigla - Repère

**123456789012345678901234567890**

Communication Tag no. - Kommunikationsname - Sigla - Repère

**DPT12345**

Message

**PROJ. FU1**

Descriptor

**AIR FLOW TO BURNER 1**

Serial Number - Serien-Nr - Nr. Di serie - No. De série

**123456789012345678901234567890**

Extension

N/A

Separator

N/A

Flange 31B

PP0159 9C

Adapter 31B

N/A

Diaphragm 31B

1331251051 061101601

**\* Material certificate for small parts: All melt analysis of metallic parts are within the limit values according to the standards: DIN, EN, ISO and ASTM.**

Werkstoffbescheinigung für Kleinteile: Alle Schmelzenanalysen der metallischen Teile liegen innerhalb der Grenzwerte der Normen: DIN, EN, ISO, ASTM.

Certificazione materiali per piccole parti: tutte le analisi delle parti metalliche sono all'interno dei limiti stabiliti dalle norme DIN, EN, ISO e ASTM.

Certificat de matière pour pièces de petit dimensions: Toutes les analyses de coulé des pièces métalliques se trouvent dans les valeurs limites selon les standards: DIN, EN, ISO et ASTM.

**A Visual and dimensional check of the pressure bearing and process wetted parts was carried out.**

Die Sicht- und Maßkontrolle der drucktragenden und messtoffberührten Teile wurden entsprechend den Bausatzunterlagen durchgeführt.

Il collaudo visivo dimensionale delle parti bagnate ed in pressione è stato effettuato.

L'inspection ainsi que les contrôles dimensionnels des pièces de pression et en contact avec le médium ont été exécutés.

**The results are acceptable**

Es ergaben sich keine Beanstandungen

Il risultato è conforme

Conforme sans réserves.

Location/ Date

ABB Quality test check

Inspector

LENNO - 21/03/2008

ABB s.p.A  
22016 Lenno (CO)  
ITALY  
phone: +39 0344 58111  
Fax: +39 0344 56728  
www.abb.com

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## Calibration record (4-points)

The calibration record is the default document which is delivered along with all the instruments. It shows the transmitters' and customer's data. Moreover, it clearly indicates the calibration on four points (0%-50%-100% and 50%), the maximum deviation, the sensor temperature and all details about the test equipments.

### 2600T Pressure Transmitters

**Calibration record**  
Kalibrierprotokoll  
Rapporto di calibrazione  
Rapport de calibration

Customer/Kunde/Cliente/Client

**abcdefghijklmno**

Order - Auftrag - Ordine - Commande

**1234567890**

ABB Instrumentation Inc

East County Line Road

WARMINSTER PA

USA

Ref- Bestellung - Rif -Referencee

**ABB1234567890**

Factory

**ABB SpA Sace Division**

Factory Order Ack - Auftragsbest. - Conf. Ordine Interna - I/Commande recon

**1234567890**

Internal O/A pos / s.pos

**00030 / 000001**

#### Transmitter Information

Product Code

**266DRH1234567890123456**

Diaphragm seal S1 side

**S26RAH12345678901234567**

Diaphragm seal S2 side

**S26RAL12345678901234567**

Special version nr.

**SR08123 SR08124 SR08125**

Tag no. - Messstelle - Sigla - Repère

**123456789012345678901234567890**

Communication Tag no. - Messtelle - Sigla - Repère

**DPT12345**

Message

**PROJ. FU1**

Descriptor

**AIR FLOW TO BURNER 1**

Serial Number - Serien-Nr - Nr. Di serie - No. De série

**123456789012345678901234567890**

Meas Range-Meßbereich-Campo-Étendue de

**- 400 to + 400 mbar**

Adjusted to-Eingest. Auf.-Tarato a: - Ajusté à:

**0 to 250 mbar**

Output

**Linear**

#### Transducer information

Serial Number - Serien-Nr - Nr. Di serie - No. De série

**2605401165**

#### Communication board information

Serial Number - Serien-Nr - Nr. Di serie - No. De série

**34489**

Software revision

**1**

Hardware revision

**8**

#### Calibration Result - Ergebnis - Risultato -

Range Messpunkt Campo Echelle	Applied pressure Erreichter Druck Press. Applicata Pression Appliquée	Digital Output Digital Prüfling Uscita Digitale	Deviation Abweichung Deviazione	Output current Ausgangsstrom Corr. Uscita	Deviation Abweichung Deviazione
%	bar	bar	% of span	mA	% of span
0	0,01	0,009	-0,01%	4,014	-0,01%
50	4,999	4,997	-0,02%	11,994	-0,02%
100	10,001	10	-0,01%	19,998	-0,01%
50	4,998	4,999	0,01%	12	0,03%
0	0,001	0,003	0,02%	4,005	0,02%

Max. deviation from characteristic [%]

Max. Kennlinienabweichung [%]

Massimo errore della caratteristica [%]

Déviati on max. de la caractéristique [%]

**0,06**

Ambient temperature [°C]

Umgebungstemperatur [°C]

Temperatura ambiente [°C]

Température ambiante [°C]

**22°C**

#### Test equipment information

Test equipment ID

Tool nr.

Operative mode

Multimeter type

Pressure controller (1)

DIPROS:: Calibration M30

1

Automatic configuration

Fluke 45 Serial nr. 6025075 (1.7 D1.0)

RUSKA 7000 0/40 kPa G.N. Serial nr. 40

#### Calibration Location/ Date

**LENNO - 21/03/2008**

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