

Safety instructions

Temperature transmitters

Model ATT082

ATEX: II2(1)G Ex ia [ia Ga] IIC T6...T4 Gb

IECEX: Ex ia [ia Ga] IICT6...T4 Gb

Azbil Corporation

NOTICE

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<https://www.azbil.com/products/factory/order.html>

EU DECLARATION OF CONFORMITY



We declare under our sole responsibility that the following products,

Advanced Temperature Transmitter Model ATT085

to which this declaration relates, comply with the requirements of the following Directives based on the following harmonized standards.

| No. | Directives | Harmonized standards: | Standards used for certification purpose: |
|-----|--------------------|--|---|
| 1 | EMC 2014/30/EU | EN 61326-1:2013 | NA |
| 2 | ATEX 2014/34/EU | EN IEC 60079-0:2018 EN 60079-1:2014, EN60079-11:2012, EN 60079-31:2014 | EN 60079-0:2012+A11:2013, EN 60079-1:2014, EN 60079-11:2012, EN 60079-31:2014 |
| 3 | RoHS 2011/65/EU | EN IEC 63000:2018 | NA |

Details of No. 1 and No. 3

- All models conform with the directive
- The technical document: **CED0064 for EMC and AT000092 for RoHS**

Details of No. 2

- The models with Type of Protection Code "B6" (Flameproof and Dust ignition protection) or "B1" (Intrinsically safe) conform with the directive.
- The EU-type examination certificate: **DEKRA 14ATEX0039**
- The name, identification number and address of the notified body conducting the EU-type examination are:
 - DEKRA Certification B.V.
 - 0344
 - Meander 1051, 6825 MJ Arnhem, THE NETHERLANDS
- The harmonized standards have been compared to the standards used for certification purposes and no changes in the "state of the art" apply to the equipment.
- The technical document: **CED0562**

The authorized representative established within the European Community:

Azbil Europe NV

Bosdellestraat 120/2

B - 1933 Zaventem (Sterrebeek)

BELGIUM

The authorized signatory to this declaration, on behalf of the manufacturer, and the responsible person is identified below.

Azbil Corporation

1-12-2 Kawana

Fujisawa-shi, Kanagawa-ken

251-8522 JAPAN

Isamu Ikeda

Director

Industrial Automation Products Development
Department,

Advanced Automation Company

Issue Date: 30th of Nov. , 20 21

EU-KONFORMITÄTSERKLÄRUNG



Wir erklären in alleiniger Verantwortung, dass folgende Produkte,

Advanced Temperature Transmitter Gerätetyp ATT085

auf welche diese Erklärung Bezug nimmt, mit den Anforderungen der folgenden **Richtlinien** jeweils auf Basis der folgenden **harmonisierten Normen** konform sind.

| Nr. | Richtlinie: | harmonisierten Normen: | zertifizierung herangezogenen Normen: |
|-----|--------------------|--|---|
| 1 | EMC 2014/30/EU | EN 61326-1:2013 | NA |
| 2 | ATEX 2014/34/EU | EN IEC 60079-0:2018, EN 60079-1:2014, EN 60079-11:2012, EN 60079-31:2014 | EN 60079-0:2012+A11:2013, EN 60079-1:2014, EN 60079-11:2012, EN 60079-31:2014 |
| 3 | RoHS 2011/65/EU | EN IEC 63000:2018 | NA |

Details von Nr. 1 und Nr. 3

- Alle Modelle sind mit der Richtlinie konform.
- Das technische Dokument: **CED0064** für EMV und **AT000092** für RoHS

Details von Nr. 2

- Die Modelle, für welche der Auswahlcode für Schutzart "B6" (ATEX Druckfeste Kapselung) ,oder "B1" (ATEX Eigensicherheit) gewählt ist
- Der EU-Baumusterprüfbescheinigung: **DEKRA 14ATEX0039**
- Der Name, die Kennnummer und Adresse der benannten Stelle, welche die EU-artige Prüfung durchführt hat:
 - DEKRA Certification B.V.
 - 0344
 - Meander 1051, 6825 MJ Arnhem, DIE NIEDERLANDE
- Die gegenwärtig harmonisierten Normen wurden mit den zur Zertifizierung herangezogenen Normen verglichen und Es ergeben sich keine Änderungen des Gerätes zum aktuellen Stand der Technik.
- Das technische Dokument: **CED0562**

Die autorisierte, in der Europäischen Union ansässige Vertretung ist:

Azbil Europe NV

Bosdellestraat 120/2

B - 1933 Zaventem (Sterrebeek)

BELGIEN

Der autorisierter Unterzeichner dieser Erklärung, im Auftrag des Herstellers, und die verantwortliche, in Europa stationierte Person sind unten angegeben.

Azbil Corporation

1-12-2 Kawana

Fujisawa-shi, Kanagawa-ken

251-8522 JAPAN

Isamu Ikeda

Director

Industrial Automation Products Development

Department,

Advanced Automation Company

Ausstellungsdatum: 30 / 11 , 20 21

DÉCLARATION UE DE CONFORMITÉ



Nous déclarons sous notre seule responsabilité que les produits suivants,

Advanced Temperature Transmitter Modèle ATT085

auxquels se réfère cette déclaration, sont conformes aux exigences des **directives** suivantes basées respectivement sur les **normes harmonisées** ci-après.

| N° | Directive: | Normes harmonisées: | Normes employés aux fins de certification: |
|----|--------------------|--|---|
| 1 | EMC 2014/30/EU | EN 61326-1:2013 | NA |
| 2 | ATEX 2014/34/EU | EN IEC 60079-0:2018, EN 60079-1:2014, EN 60079-11:2012, EN 60079-31:2014 | EN 60079-0:2012+A11:2013, EN 60079-1:2014, EN 60079-11:2012, EN 60079-31:2014 |
| 3 | RoHS 2011/65/EU | EN IEC 63000:2018 | NA |

Détails du N°1 et N°3

- Tous les modèles sont conformes à la directive.
- Le document technique : **CED0064** pour EMC et **AT000092** pour RoHS

Détails du N°2

- Les modèles dont le code de sélection correspondant au type de protection «B6» (ATEX Antidéflagrant) , ou «B1» (ATEX Sécurité intrinsèque) est sélectionné
- L'attestation d'examen UE de type: **DEKRA 14ATEX0039**
- Le nom, le numéro d'identification et l'adresse de l'organisme notifié responsable de la notification de l'assurance de la qualité de la production sont :
 - DEKRA Certification B.V.
 - 0344
 - Meander 1051, 6825 MJ Arnhem, LES PAYS-BAS
- Normes qui viennent d'être harmonisées ont été comparées aux normes employés aux fins de certification et Aucun changement des « règles de l'art » n'est appliqué à l'équipement.
- Le document technique : **CED0562**

Le représentant habilité agréé au sein de la communauté européenne est :

Azbil Europe NV
Bosdellestraat 120/2
B - 1933 Zaventem (Sterrebeek)
BELGIQUE

La signature autorisée de cette déclaration, au nom du fabricant, et la personne responsable basée dans l'Union Européenne est identifiée ci-dessous.

Azbil Corporation

1-12-2 Kawana
Fujisawa-shi, Kanagawa-ken
251-8522 JAPON

Isamu Ikeda
Directeur
Industrial Automation Products Development
Department,
Advanced Automation Company

Fait le: 30 / 11 , 20 21

DICHIARAZIONE UE DI CONFORMITA'



Noi dichiariamo, sotto la propria esclusiva responsabilità, che i seguenti prodotti,

Advanced Temperature Transmitter Modello ATT085

a cui si riferisce la dichiarazione, risultano in conformità ai requisiti previsti dalle seguenti **Direttive** basate sui seguenti **standard armonizzati**.

| N. | Direttive: | Standard armonizzati: | Standard utilizzati per la certificazione: |
|----|--------------------|--|---|
| 1 | EMC 2014/30/EU | EN 61326-1:2013 | NA |
| 2 | ATEX 2014/34/EU | EN IEC 60079-0:2018, EN 60079-1:2014, EN 60079-11:2012, EN 60079-31:2014 | EN 60079-0:2012+A11:2013, EN 60079-1:2014, EN 60079-11:2012, EN 60079-31:2014 |
| 3 | RoHS 2011/65/EU | EN IEC 63000:2018 | NA |

Dettagli di N.1 e N.3

- Tutti i modelli sono conformi alla direttiva
- La documentazione tecnica: **CED0064** per EMC e Dichiarazione **AT000092** per RoHS

Dettagli di N.2

- I modelli con Tipo "B6" di Codice per la Protezione (ATEX Prova di fiamma) , o "B1" (ATEX Sicurezza intrinseca) sono conformi alla direttiva.
- Il certificato dell'esame tipo UE: **DEKRA 14ATEX0039**
- La denominazione, il numero d'identificazione e l'indirizzo dell'organismo notificato che conduce l'esame tipo UE:
 - DEKRA Certification B.V.
 - 0344
 - Meander 1051, 6825 MJ Arnhem, PAESI BASSI
- Standard armonizzate sono stati confrontati con gli standard utilizzati per la certificazione e nessun cambiamento delle " le regole dell arte" si applica alle apparecchiature.
- La documentazione tecnica: **CED0562**

Il rappresentante autorizzato stabilito all'interno della Comunità Europea:

Azbil Europe NV

Bosdellestraat 120/2

B - 1933 Zaventem (Sterrebeek)

BELGIO

Il firmatario autorizzato alla dichiarazione, per conto del fabbricante, e la persona responsabile è identificata qui di seguito.

Azbil Corporation

1-12-2 Kawana

Fujisawa-shi, Kanagawa-ken

251-8522 Giappone

Isamu Ikeda

Direttore

Industrial Automation Products Development

Department,

Advanced Automation Company

Data di Emissione: 30 / 11 , 20 21

DECLARACIÓN UE DE CONFORMIDAD



Declaramos bajo nuestra única responsabilidad que los productos siguientes,

Advanced Temperature Transmitter Modelo ATT085

a los cuales se relaciona esta declaración, cumplen con los requisitos de las siguientes **Directivas**, basados en los siguientes **normas armonizadas**, respectivamente:

| Nº | Directiva: | Normas armonizadas: | Normas utilizados para la certificación: |
|----|--------------------|--|---|
| 1 | EMC 2014/30/EU | EN 61326-1:2013 | NA |
| 2 | ATEX 2014/34/EU | EN IEC 60079-0:2018, EN 60079-1:2014, EN 60079-11:2012, EN 60079-31:2014 | EN 60079-0:2012+A11:2013, EN 60079-1:2014, EN 60079-11:2012, EN 60079-31:2014 |
| 3 | RoHS 2011/65/EU | EN IEC 63000:2018 | NA |

Detalles del nº1 y nº3

- Todos los modelos cumplen con la directiva.
- El documento técnico: **CED0064** para EMC y **AT000092** para RoHS

Detalles del nº2

- Los modelos con ipo de protección código " B6" (ATEX Incombustible) , o " B1" (ATEX Seguridad intrínseca) cumplen con la directiva
- El certificado de examen UE de tipo: **DEKRA 14ATEX0039**
- El nombre, número de identificación y dirección de la organismo notificado responsable de realizar el certificado tipo UE es:
 - DEKRA Certification B.V.
 - 0344
 - Meander 1051, 6825 MJ Arnhem, LOS PAÍSES BAJOS
- Normas armonizadas se compararon con las normas utilizados para la certificación y ningún cambio las "reglas del arte" se aplica al equipos.
- El documento técnico: **CED0562**

El representante autorizado en la Comunidad Europea es:

Azbil Europe NV

Bosdellestraat 120/2

B - 1933 Zaventem (Sterrebeek)

BÉLGICA

El firmante autorizado de esta declaración, en nombre del fabricante, y la persona responsable con sede dentro de la UE, se identifican a continuación.

Azbil Corporation

1-12-2 Kawana

Fujisawa-shi, Kanagawa-ken

251-8522 JAPÓN

Isamu Ikeda

Directora

Industrial Automation Products Development
Department,

Advanced Automation Company

Fecha de emisión: 30 / 11 , 20 21

Safety instructions

Temperature transmitter ATT082

for electrical apparatus certified for use in explosion-hazardous areas



Associated documentation

This document is an integral part of the following Operating Instructions:

documentation

ATT082: Operating instructions: CM2-ATT082-2001

Designation according to Directive
2014/34/EU

 
0344
II 2(1)G

Designation of explosion protection Ex ia[ia Ga] IIC T6...T4 Gb

Designation according to IECEx

Designation of explosion protection Ex ia [ia Ga] IIC T6...T4 Gb

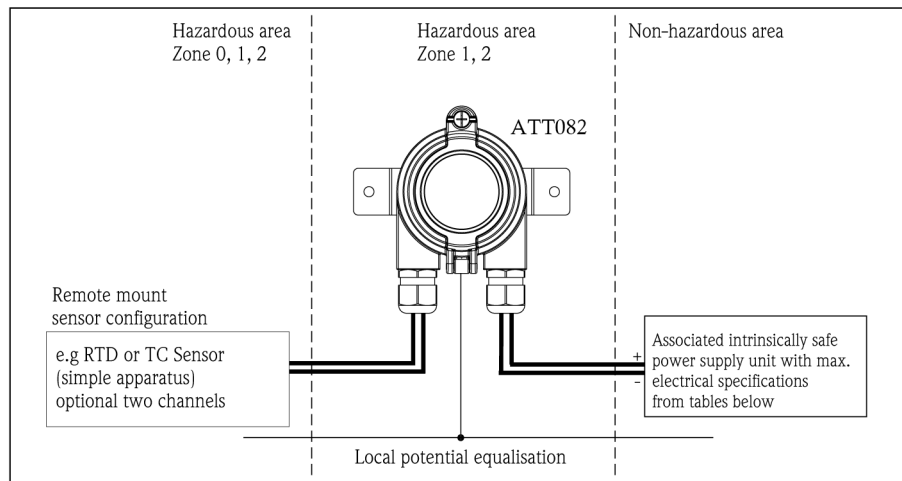
Applied standards

ATEX: EN 60079-0: 2012+A11:2013
EN 60079-11: 2012

IECEx: IEC 60079-0: 2011
IEC 60079-11: 2011

ATEX certificate no. : DEKRA 14ATEX0039

IECEx certificate no. : IECEx DEK 14.0007



| Transmitter type | Electrical data |
|--|---|
| ATT082 | Supply voltage (terminal + and -) |
| | $U_i \leq 30 \text{ V DC}$ $I_i \leq 130 \text{ mA}$ $P_i \leq 800 \text{ mW}$ |
| | $C_i = 0 \text{ nF}$ $L_i = 0 \text{ } \mu\text{H}$ |
| | Applicable for connection to a HART 4-20 mA 2 channel |
| | Sensor circuit (terminal 3 to 7) |
| | $U_o \leq 7.6 \text{ V DC}$ $I_o \leq 13 \text{ mA}$ $P_o \leq 24.7 \text{ mW}$ |
| $C_i = 0 \text{ nF}$ $L_i = 0 \text{ } \mu\text{H}$ | |
| Max. connection values | |
| Ex ia IIC $L_o = 10 \text{ mH}$ $C_o = 1 \text{ } \mu\text{F}$ | |
| Ex ia IIB $L_o = 50 \text{ mH}$ $C_o = 4.5 \text{ } \mu\text{F}$ | |
| Ex ia IIA $L_o = 50 \text{ mH}$ $C_o = 6.7 \text{ } \mu\text{F}$ | |

| Category | Type of protection (ATEX) | Type |
|----------|------------------------------|--------|
| II2(1)G | Ex ia [ia Ga] IIC T6...T4 Gb | ATT082 |

| Type of protection (IEC) | Type |
|------------------------------|--------|
| Ex ia [ia Ga] IIC T6...T4 Gb | ATT082 |

| Transmitter type | Temperature class | Ambient Temperature |
|------------------------|-------------------|---|
| ATT082 without display | T6 | $-40\text{ °C} \leq T_a \leq +58\text{ °C}$ |
| | T5 | $-40\text{ °C} \leq T_a \leq +75\text{ °C}$ |
| | T4 | $-40\text{ °C} \leq T_a \leq +85\text{ °C}$ |
| ATT082 with display | T6 | $-40\text{ °C} \leq T_a \leq +55\text{ °C}$ |
| | T5 | $-40\text{ °C} \leq T_a \leq +70\text{ °C}$ |
| | T4 | $-40\text{ °C} \leq T_a \leq +85\text{ °C}$ |

Safety instructions: Installation

- Comply with the installation and safety instructions in the Operating Instructions.
- Install the device according to the manufacturer's instructions and any other valid standards and regulations (e.g. IEC 60079-14).
- The housing of the field transmitter must be connected to the potential matching line.
- The type of protection changes as follows when the device is connected to certified intrinsically safe circuits of Category ib: Ex ia IIC.
When connecting an intrinsically safe ib circuit, do not operate the sensor at Zone 0.
- When connecting two independent sensors make sure that the potential equalisation cables are at the same potential.

Safety Instructions: Special conditions

- The device must be installed so, that even in the event of rare incidents, an ignition source due to impact or friction between the enclosure and iron/steel is excluded.

| | |
|--------------------------|---|
| Document Number: | CM2-ATT082-6003 |
| Document Name: | Safety instructions Temperature transmitters ATT082 ATEX: II2(1)G Ex ia [ia Ga] IIC T6...T4 Gb IECEX: Ex ia [ia Ga] II CT6...T4 Gb |
| Date: | 1st edition : Apr. 2015 6th edition : Jun. 2022 |
| Issued/Edited by: | Azbil Corporation |

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