

Safety instructions

Temperature transmitters

Model ATT082

ATEX: II 2 G Ex db IIC T6...T4 Gb,
II 2 D Ex tb IIIC T85°C...T105°C Db
IECEX: Ex db IIC T6...T4 Gb,
Ex tb IIIC T85°C...T105°C Db

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

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Isamu Ikeda
Director
Industrial Automation Products Development
Department,
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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

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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 2G

II 2D

Designation of explosion protection Ex db IIC T6... T4 Gb
Ex tb IIIC T85... T105°C Db

Designation according to IECEx

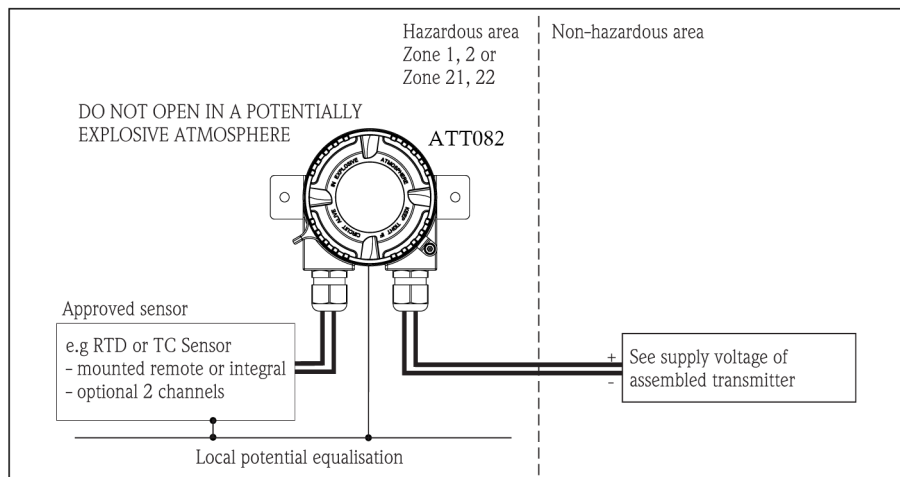
Designation of explosion protection Ex db IIC T6...T4 Gb
EX tb IIIC T85°C...105°C Db

Applied standards

ATEX: EN 60079-0:2012+A11:2013
EN 60079-1:2014
EN 60079-31:2014
IECEx: IEC 60079-0:2011
IEC 60079-1:2014
IEC 60079-31:2013

ATEX certificate no. : DEKRA 14ATEX0039

IECEx certificate no. : IECEx DEK 14.0007



Electrical connection data

Type	Supply voltage U_b
ATT082	11...42 V DC max.23mA

Category	Type of protection (ATEX)	Type
II 2G	Ex db IIC T6...T4 Gb	ATT082
II 2D	Ex tb IIIC T85...T105°C Db	

Type of protection (IEC)	Type
Ex db IIC T6...T4 Gb	ATT082
Ex tb IIIC T85...T105°C Db	

Permitted ambient temperatures

Temperature class	Ambient Temperature Range	Temperature Code
T6	$-40\text{ °C} \leq T_a \leq +65\text{ °C}$	T85 °C
T5	$-40\text{ °C} \leq T_a \leq +80\text{ °C}$	T100 °C
T4	$-40\text{ °C} \leq T_a \leq +85\text{ °C}$	T105 °C

Safety instruction for type of protection flameproof: 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.
- Only the approved wire entries as specified in paragraph 10 of IEC60079-14, paragraph 16 of IEC 60079-0, paragraph 13 of IEC 60079-1 must be used.
- For connection through a conduit entry approved for this purpose the associated sealing facility shall be mounted directly to the housing.
- Cable gland or conduit sealing devices used must be certified for the ATEX or IECEx protection mentioned above in item "Designation of explosion protection".
- Seal unused entry glands with approved sealing plugs that correspond to the type of protection.
- For operating the field transmitter housing at an ambient temperature under $-20\text{ }^{\circ}\text{C}$, appropriate cables, cable entries and sealing facilities permitted for this application must be used.
- For ambient temperatures higher than $+70\text{ }^{\circ}\text{C}$, use suitable heat-resisting cables or wires, cable entries and sealing facilities for $T_a +5\text{ K}$ above surrounding.
- During operation, the cover must be screwed all the way in and the cover's safety catch must be fastened.
- The remote or integral mounted temperature sensor must comply with the requirements according to IEC 60079-1.
- Use for integral temperature sensors only approved sensors certified for category 2G marked not less than II 2G Ex db IIC T6...T4 Gb for use in Zone 1.
- The temperature class specified for the certified temperature sensor shall be taken into account.
- The transmitter 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.

WARNING

- Explosive atmosphere
 - ▶ Do not open the electrical connection of the power supply circuit under voltage in an explosive atmosphere.

Safety instructions for dust ignition protection: 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).
- Seal the cable entries tight with certified cable glands (min. IP6X) according to IEC 60529.
- The provided cable glands according to option code are suitable ATEX/IECEx Ex-certified cable glands with a temperature range of -20 °C...+85 °C.
- For operating the transmitter housing at an ambient temperature under -20 °C, appropriate cables, cable entries and sealing facilities permitted for this application must be used.
- The housing of the field transmitter must be connected to the potential matching line.
- For ambient temperatures higher than +70 °C, use suitable heat-resisting cables or wires, cable entries and sealing facilities for Ta +5K above surrounding.
- Use for integral temperature sensors only approved sensors certified for category 2D marked not less than II2D Ex tb IIIC T135 °C Db for use in Zone 21.
- The maximum surface temperature specified for the certified temperature sensor shall be taken into account.

WARNING

- Explosive atmosphere
 - ▶ Do not open the device when voltage is supplied (ensure that the IP 66/67 housing protection is maintained during operation).

Document Number: CM2-ATT082-6002

Document Name: Safety instructions Temperature transmitters
Model ATT082
ATEX: II 2 G Ex db IIC T6...T4 Gb, II 2 D Ex tb IIIC T85°C...T105°C Db
IECEX: Ex db IIC T6...T4 Gb, Ex tb IIIC T85°C...T105°C Db

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