

Translation

EU-Type Examination Certificate

Components intended for use on/in an Equipment or Protective System intended for use in potentially explosive atmospheres
Directive 2014/34/EU

EU-Type Examination Certificate Number: **BVS 17 ATEX E 047 U**

Product: **Platinum Bit Sensor type Slot RTD type / model SRTD-BIT**

Manufacturer: **Insta Control Private Ltd.**

Address: **No. 1 - 4, "G" Block, Vishnu Malati Industrial Estate, Shivane, Pune - 411 023, India**

This product and any acceptable variations thereto are specified in the appendix to this certificate and the documents referred to therein.

DEKRA EXAM GmbH, Notified Body number 0158, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in the confidential Report No. BVS PP 17.2194 EU.

Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-0:2012 + A11:2013 General requirements
EN 60079-7:2015 Increased Safety "e"

The sign "U" is placed after the certificate number. It indicates that this certificate must not be mistaken for a certificate intended for an equipment or protective system. This partial certification may be used as a basis for certification of an equipment or protective system respectively product.

This EU-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

The marking of the product shall include the following:

 **II 2G Ex eb IIC Gb**

DEKRA EXAM GmbH
Bochum, 2017-12-21

Signed: Jörg Koch

Signed: Ute Hauke

13 Appendix

14 EU-Type Examination Certificate

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15 Product description

15.1 Subject and type

Platinum Bit Sensor type Slot RTD type / model SRTD-BIT

A separate order code defines the dimensions of the sensor as also wire size, wire number, wire type and the wire length.

15.2 Description

The Platinum Bit Sensor type Slot RTD type / model SRTD-BIT is a Pt100 resistance temperature detector and designed in type of protection Increased Safety "e". It is intended for the temperature measurement inside of windings of motors in type of protection Increased Safety "e".

15.3 Parameters

Nominal voltage	max.	24	V
Nominal current	max.	5	mA
Operating temperature		-30 °C up to +180 °C	
Rated resistance (Pt100)		100 Ohm @ 0°C, 138.5 Ohm @ +100 °C	

16 Report Number

BVS PP 17.2194 EU, as of 2017-12-21

17 Installation Instructions

When embedding the Platinum Bit Sensor type Slot RTD type / model SRTD-BIT into a motor winding the connection, the insulation and the dielectric strength have to fulfill the requirements of type of protection Increased Safety "e" (EN 60079-7:2015).

During the installation of the sensor into the motor carving and bending have to be avoided. The lead wires shall not be subjected to any pulling force.

18 **Essential Health and Safety Requirements**

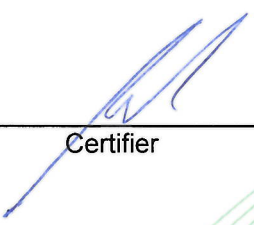
The Essential Health and Safety Requirements are covered by the standards listed under item 9.

19 **Drawings and Documents**

Drawings and documents are listed in the confidential report.

We confirm the correctness of the translation from the German original.
In the case of arbitration only the German wording shall be valid and binding.

DEKRA EXAM GmbH
Bochum, dated 2017-12-21
BVS-Ld/Mu A 20151093



Certifier



Approver