



Government of India
Ministry of Commerce & Industry
Petroleum & Explosives Safety Organisation (PESO)
5th Floor, A-Block, CGO Complex, Seminary Hills,
Nagpur - 440006

E-mail : explosives@explosives.gov.in
Phone/Fax No : 0712 -2510248, Fax-2510577

Approval No : A/P/HQ/MH/104/6680 (P494467)

Dated : 01/02/2021

To,

M/s. MINCO PRODUCTS INC,
7300 COMMERCE LANE NE ,MINNEAPOLIS
MN 55432
U.S.A

Sub : Approval of Intrinsically Safe Type Temperature Sensors under Petroleum Rules 2002- Regarding.

Sir(s),

Please refer to your letter No. **OIN690589** dated **09/01/2021** on the subject.

The following Ex electrical equipment(s) manufactured by you according to **IEC 60079-0 : 2017, IEC 60079-11 : 2011**, standards and covered under **SIRA Certification Service** Test reports mentioned below is/are approved for use in **Zone 1** of Gas **IIC** hazardous areas coming under the the Petroleum Rules, 2002 administered by this Organization.

Sr. No	Description	Safety Protection	Equipment reference Number	Test Agency			Drawing no
				Name	Certificate No.	Certificate Date	
1	Type B216681 a b c d e f Temperature Sensors	Ex ia IIC Ga (Refer to conditions of approval)	P494467/1	SIRA Certification Service	IECEX SIR 18.0027U Issue No. 0	28/11/2019	B216681 Rev A Sheet 1-10

This Approval is granted subject to observance of the following conditions:-

1)The design and construction of the equipment shall be strictly in accordance with description, condition and drawings as mentioned in the SIRA Certification Service Test Reports referred to above.

2)The equipment shall be used only with approved type of accessories and associated apparatus.

3)Each equipment shall be marked either by raised lettering cast integrally or by plate attached permanently to the main structure to indicate conspicuously:-

- (a) Name of the manufacturer
- (b) Name and number by which the equipment is identified.
- (c) Number & date of the test report of the SIRA Certification Service applicable to the equipment.
- (d) Equipment reference number of this letter by which use of apparatus is approved.
- (e) Protection level.

4) A certificate to the effect that the equipment has been manufactured strictly in accordance with the drawing referred to in the SIRA Certification Service Test report and is identical with the one tested and certified at SIRA Certification Service shall be furnished with each equipment.

5) The customer shall be supplied with a copy of this letter, an extract of the conditions and maintenance schedule, if any, recommended by SIRA Certification Service in their test reports and copy of instructions booklet

detailing operation & maintenance of the equipment so as to maintain its Flame Proof characteristics.

6) The After sales service and maintenance of subject equipment shall be looked after by your representative Automation Solutions Plc, Samidhan Banglow 1098/7, Near Post Office, Modern Colony, Shivaji Nagar, Pune 411016

Conditions of the Approval:-

This component is not intended to be used alone in the hazardous areas and requires additional consideration when incorporated into electrical equipment or systems for use in explosive atmospheres.

The approval for above component is subject to validity of IECEx Quality Assessment Report No. NL/DEK/QAR12.0028.

This approval also covers the permissible variations as approved under the SIRA Certification Service test reports referred above. This approval is liable to be cancelled if any of the conditions of the approval is violated or not complied with . The approval may also be amended or withdrawn at any time, if considered necessary in the interest of safety.

The field performance report from actual users/your customers of the subject equipment may please be collected and furnished to this office for verification and record on annual basis.

The Approval is Valid upto **31/12/2025**

Yours faithfully,

(Ninad Dattaram Gawade)
Dy. Controller of Explosives
For Chief Controller of Explosives
Nagpur

Copy to :

1. Jt. Chief Controller of Explosives, West Circle, MUMBAI
2. Automation Solutions Plc, Samidhan Banglow 1098/7, Near Post Office, Modern Colony, Shivaji Nagar, Pune 411016

for Chief Controller of Explosives
Nagpur

(For more information regarding status, fees and other details please visit our website <http://peso.gov.in>)

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