



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

सॉफ्ट पोस्ट
SPEED POST

E-mail : explosives@explosives.gov.in

Phone/Fax No : 0712 -2510248, Fax-2510577

Approval No : A/P/HQ/MH/104/6348 (P462829)

Dated : 11/12/2019

To,

M/s. SpectraSensors, Inc.,
11027 Arrow Route, Rancho Cucamonga
CA 91730 mandar.naiavde@endress.com
U.S.A

17 DEC 2019

Sub : Approval of Flame Proof Type Gas Analyzer under Petroleum Rules 2002- Regarding.

Sir(s),

Please refer to your letter No. OIN378382 dated 26/09/2019 on the subject.

The following Ex electrical equipment(s) manufactured by you according to IEC 60079-0 : 2011, IEC 60079-1 : 2014-06, standards and covered under Laboratoire Central des Industries Electriques Test reports mentioned below is/are approved for use in Zone 1 of Gas IIB+H2 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 | TDL Gas analyzer / Type SS2100i-2 | Ex db IIB+H2 T4 Gb | P462829/1 | Laboratoire Central des Industries Electriques | IECEX LCI 11.0007X Issue No. 6 | 19/01/2018 | EX0800000001 Rev E Sheet 1-3 |
| 2 | TDL Gas analyzer / Type SS2100i-1 | Ex db IIB+H2 T4 Gb | P462829/2 | Laboratoire Central des Industries Electriques | IECEX LCI 11.0057X Issue No. 5 | 19/01/2018 | EX0800000006 Rev E Sheet 1-2 |

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 Laboratoire Central des Industries Electriques 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 Laboratoire Central des Industries Electriques 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 Laboratoire Central des Industries Electriques Test report and is identical with the one tested and certified at Laboratoire Central des Industries Electriques 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 Laboratoire Central des Industries Electriques 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 Endress+Hauser (India) Pvt. Ltd., 7B, 7th Floor, Godrej One, Pirojshanagar Vikhroli (E)

Conditions of the Approval:-


The approval for above equipments is subject to validity of IECEX quality assessment report No. FR/LCI/QAR10.0011.

This approval also covers the permissible variations as approved under the Laboratoire Central des Industries Electriques 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 **31/12/2023**

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. Endress+Hauser(India)Pvt.Ltd.,7B,7th Floor, Godrej One, Pirojshanagar Vikhroli(E)

for Chief Controller of Explosives
Nagpur

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

Note:- Please submit the revalidation application one month before the date of Expiry of approval otherwise approval will be treated as cancelled and a fresh application for approval will be considered for the approval.