



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/104/7521 (P556339)

Dated : 17/02/2023

To,

M/s. Endress+Hauser Optical Analysis Inc,
11027 Arrow Route, Rancho Cucamonga, California
CA 91730
U.S.A

Sub : Approval of Flame Proof, Intrinsically Safe, Optical Radiation Type Electrical Equipment under Petroleum Rules 2002- Regarding.

Sir(s),

Please refer to your letter No. **OIN1302124** dated **14/02/2023** on the subject.

The following Ex electrical equipment(s) manufactured by you according to **IEC 60079-0 : 2017, IEC 60079-1 : 2014-06, IEC 60079-11 : 2011, IEC 60079-28 : 2015**, standards and covered under **CSA Group Testing UK Ltd** 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	J22 TDLAS Gas Analyser	Ex db ia [ia Ga] ib op is IIC T4 Gb	P556339/1	CSA Group Testing UK Ltd	IECEX SIR 20.0035X	28/02/2022	EX8000000092
2	J22 TDLAS Gas Analyser SCS on Panelor J22 TDLAS Gas Analyser Encl. SCS	Ex db ia ib op is h IIC T4 Gb	P556339/2	CSA Group Testing UK Ltd	IECEX SIR 20.0035X	28/02/2022	EX000000114
3	J22 TDLAS Gas Analyser Encl. SCS Heated	Ex db ia ib op is h IIC T3 Gb	P556339/3	CSA Group Testing UK Ltd	IECEX SIR 20.0035X	28/02/2022	EX000000112

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 CSA Group Testing UK Ltd 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 CSA Group Testing UK Ltd 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 CSA Group Testing UK Ltd Test report and is identical with the one tested and certified at CSA Group Testing UK Ltd 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 CSA Group Testing UK Ltd 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 maintainance of subject equipment shall be looked after by your representative Endress+Hasuer India Pvt.Ltd., 7B,7th Floor,Godrej One,Pirojshanagar Vikhroli(E)

This approval also covers the permissible variations as approved under the CSA Group Testing UK Ltd 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 **31/12/2027**

Yours faithfully,

(K. Thiagarajan)
Jt. Chief Controller of Explosives
For Chief Controller of Explosives
Nagpur

Copy to :

1. Jt. Chief Controller of Explosives, West Circle, MUMBAI
2. Endress+Hasuer 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>)

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