



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/104/7474 (P551586)

Dated : 09/12/2022

To,

**M/s. Endress+Hauser SE+Co.KG,
Hauptstrabe 1,Maulburg
79689
GERMANY**

Sub : Approval of Intrinsically Safe Type Electrical Equipments under Petroleum Rules 2002- Regarding.

Sir(s),

Please refer to your letter No. **OIN1210850** dated **21/11/2022** on the subject.

The following Ex electrical equipment(s) manufactured by you according to **EN 60079-0: 2018, EN 60079-11 : 2012, EN 60079-26 : 2015**, standards and covered under **Physikalisch-Technische Bundesanstalt** 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	Micropilot S Type FMR540	Ex ia IIC T6..T1 Ga/Gb	P551586/1	Physikalisch- Technische Bundesanstalt	PTB 00 ATEX 2067 X Issue 1	02/06/2021	210014734B
2	Micropilot S Type FMR532	Ex ia IIC T6..T1 Ga/Gb	P551586/2	Physikalisch- Technische Bundesanstalt	PTB 00 ATEX 2067 X Issue 1	02/06/2021	210011404K

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 Physikalisch-Technische Bundesanstalt 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 Physikalisch-Technische Bundesanstalt 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 Physikalisch-Technische Bundesanstalt Test report and is identical with the one tested and certified at Physikalisch-Technische Bundesanstalt 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 Physikalisch-Technische Bundesanstalt 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)

This approval also covers the permissible variations as approved under the Physikalisch-Technische Bundesanstalt 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 **31/12/2026**

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

for Chief Controller of Explosives
Nagpur

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