



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

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Approval No : A/P/HQ/TN/104/6626 (P617909)

Dated : 01/02/2025

To,

M/s. Michell Instruments Ltd,
Unit 48 Lancaster Way Business Park, Ely, Cambridgeshire
CB6 3NW
UK

Sub : Approval of Flame Proof Type Electrical Equipments under Petroleum Rules 2002. under Petroleum Rules 2002- Regarding.

Sir(s),

Please refer to your letter No. **OIN1829975** dated **11/01/2025** on the subject.

The following Ex electrical equipment(s) manufactured by you according to **IEC 60079-0 : 2017, IEC 60079-1 : 2014-06**, standards and covered under **Element Materials Technology** 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	Condumax II : Hydrocarbon Dewpoint Analyser	Ex db IIB + H2 T6 Gb (Tamb = -40 °C to +44 °C)	P617909/1	Element Materials Technology	IECEX TRC 11.0008X Issue No-5	14/07/2020	as per Test report
2	Condumax II : Hydrocarbon Dewpoint Analyser	Ex db IIB + H2 T5 Gb (Tamb = -40 °C to +59 °C)	P617909/2	Element Materials Technology	IECEX TRC 11.0008X Issue No-5	14/07/2020	as per Test report
3	Condumax II : Hydrocarbon Dewpoint Analyser	Ex db IIB + H2 T3 Gb (Tamb = -40 °C to +60 °C)	P617909/3	Element Materials Technology	IECEX TRC 11.0008X Issue No-5	14/07/2020	as per Test report
4	Condumax II : Hydrocarbon Dewpoint Analyser	Ex db IIB T4 Gb (Tamb = -40 °C to +60 °C)	P617909/4	Element Materials Technology	IECEX TRC 11.0008X Issue No-5	14/07/2020	as per Test report
5	Promet EExd : Process Moisture Analyser	Ex db IIB + H2 T5 Gb (Tamb = -40 °C to +44 °C)	P617909/5	Element Materials Technology	IECEX TRC 11.0008X Issue No-5	14/07/2020	as per Test report
6	Promet EExd : Process Moisture Analyser	Ex db IIB + H2 T4 Gb (Tamb = -40 °C to +60 °C)	P617909/6	Element Materials Technology	IECEX TRC 11.0008X Issue No-5	14/07/2020	as per Test report
7	Promet EExd : Process Moisture Analyser	Ex db IIB + H2 T3 Gb (Tamb = -40 °C to +60 °C)	P617909/7	Element Materials Technology	IECEX TRC 11.0008X Issue No-5	14/07/2020	as per Test report
8	Promet EExd : Process Moisture Analyser	Ex db IIB T4 Gb (Tamb = -40 °C to +60 °C)	P617909/8	Element Materials Technology	IECEX TRC 11.0008X Issue No-5	14/07/2020	as per Test report

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 Element Materials Technology 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 Element Materials Technology 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 Element Materials Technology Test report and is identical with the one tested and certified at Element Materials Technology 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 Element Materials Technology 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 Process Sensing Technologies PST Private Ltd, 32 A&B Ground floor , Ambit IT Park Ambattur Industrial Estate, Ambattur Village : Ambattur City : Chennai Taluka / Tahsil : Chennai District : CHENNAI State : Tamil Nadu Pincode : 600058

Conditions of the Approval:-

1. Validity of this approval shall be subject to the validity of QAR of the manufacturer.

2. The specific conditions of use as mentioned in COC no.IECEx TRC 11.0008X Issue No- 5 , dated 14/7/2020 shall be communicated to the end user and shall be strictly followed.

This approval also covers the permissible variations as approved under the Element Materials Technology 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 **31/12/2029**

Yours faithfully,

(SAUMITRA RAYCHAUDHURI)
Dy. Controller of Explosives
For Chief Controller of Explosives
Nagpur

Copy to :
1. Jt. Chief Controller of Explosives, South Circle Office, CHENNAI
2. Process Sensing Technologies PST Private Ltd,32 A&B Ground floor , Ambit IT Park Ambattur Industrial Estate, Ambattur Village : Ambattur City : Chennai Taluka / Tahsil : Chennai District : CHENNAI State : Tamil Nadu Pincode : 600058

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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