



NATIONAL PETROCHEMICAL COMPANY
STANDARDS

MATERIAL STANDARD

FOR
HYDROGEN ANALYSER

NPCS-MS-IN-36

REVISION : 0

JANUARY 1993



CONTENTS

- 1 GENERAL
- 2 DESIGN AND CONSTRUCTION
- 3 TESTING
- 4 NAMEPLATE
- 5 ENVIRONMENTAL CONDITIONS
- 6 SHIPPING
- 7 REJECTION

THIS DOCUMENT IS THE PROPERTY OF NPCC. IT IS CONFIDENTIAL AND ALL RIGHTS RESERVED. TO THE OWNER NEITHER THE WHOLE NOR ANY PART OF THIS DOCUMENT MAY BE DISCLOSED TO ANY THIRD PARTY, REPRODUCED, STORED IN ANY RETRIEVAL SYSTEM OR TRANSMITTED IN ANY FORM OR ANY MEANS WITHOUT THE PRIOR WRITTEN CONSENT OF NPCC.



1 GENERAL

1.1 SCOPE

1.1.1 This standard, covers the minimum requirements for the design, construction, materials, nameplate marking, testing and shipping of Hydrogen analyzers.

1.1.2 The related standards referred to herein and mentioned below shall be of the latest editions prior to the date of the Purchaser's enquiry:

- ANSI B 2.1 Pipe Threads. (Except Dry Seal)
- ANSI B 16.5 Pipe Flanges and Flanged Fittings.
- API RP 550 PART-II Process Stream Analyzers.
- NEMA-NF'PA 70 National Electrical Code.
- NEMA National Electrical Manufacturers Association.
- IEC International Electrotechnical Commission.

1.1.3 In the event of any conflict between this standard and data sheets, related standards, codes, etc., vendor should refer the matter to purchaser for clarifications and only after obtaining the same should proceed with the manufacture of the items in question.

1.1.4 Vendor's extent of responsibility includes the following:

- a) Proper design of the sampling system and Hydrogen analyzer to measure the component of interest with the stated accuracy.
- b) Selection of materials for all the parts of the Hydrogen analyzer system so as to be compatible with the process stream and the surrounding atmosphere as per purchaser's data sheets.

1 . 2 BIDS

1.2.1 Vendor's quotation shall include a detailed specification sheet for each Hydrogen analyzer system which shall contain the following information:

- a) All the details regarding type, construction, materials, accessories, etc. of the Hydrogen analyzer.

THIS DOCUMENT IS THE PROPERTY OF NPCC. IT IS CONFIDENTIAL AND ALL RIGHTS RESERVED. TO THE OWNER. NEITHER THE WHOLE NOR ANY PART OF THIS DOCUMENT MAY BE DISCLOSED TO ANY THIRD PARTY, REPRODUCED, STORED IN ANY RETRIEVAL SYSTEM OR TRANSMITTED IN ANY FORM OR ANY MANNER WITHOUT THE WRITTEN CONSENT OF NPCC.