

## SPECIFICATION OF MAGNETIC FLOWMETER

|    |                   |   |  |
|----|-------------------|---|--|
| 1  | Type              | : | Separate Flow tube and electronic unit   |
| 2  | Line Size         | : | 80 NB (3")   |
| 3  | Process Details   |   |  |
| a  | Application       | : | Slurry   |
| b  | Material Density  | : | ~1.0 T 1.8 g/cu.cm   |
| c  | Flow Range        | : | 0 to 80 m <sup>3</sup> /hour   |
| d  | Line pressure     | : | 4 Kg/Sq. cm (Nominal), 5 Kg/Sq. cm (Maximum)   |
| 4  | Signal Output     | : | 4 to 20mA  |
| 5  | Comm. Protocol    | : | HART   |
| 6  | Power Supply      | : | 230 Volt, AC   |
| 7  | Material          |   |  |
| a  | Measuring Tube    | : | SS 316, PTFE lined (lining thickness : 3mm)  |
| b  | Sensing Electrode | : | Hastealloy – C   |
| 8  | Local Display     | : | 2 Line 16 character or Dot Matrix LCD Display  |
| 9  | Display Option    | : | Online Flow, fluid velocity & totaliser display  |
| 10 | Programming       | : | By Programmable keys provided on front panel & HART  |
| 11 | End Connection    | : | Flanged ANSI 150#, Drilled as per ANSI 16.5  |
| 12 | Grounding Ring    | : | Mounted on Measuring Head on both Flanges.<br>(Grounding ring with neck for Protection of liner of measuring tube.)  |
| 13 | Enclosure         | : | The Enclosure of Converter unit as well as<br>Magnetic head should be Waterproof designed for outdoor application<br>(As per IP 68)  |
| 14 | Accessories       | : | 1. Mounting arrangement for Electronic unit,<br>2. Sensing Cable (for connecting Measuring head and Converter Unit),<br>length - 10 mtrs<br>3. Cable Glands, User manual, etc. |
| 15 | Configuration     | : | Can be configured through web and self diagnostic facility   |
| 16 | Make              | : | Endress + Hauser   |