

## SPECIFICATION OF MAGNETIC FLOWMETER

1	Type	:	Separate Flow tube and electronic unit
2	Line Size	:	40 NB (1.5")
3	Process Details		
a	Application	:	Liquor
b	Material Density	:	~1.0 T 1.8 g/cu.cm
c	Flow Range	:	0 to 30 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	Temperature	:	Operationg@70 Deg.C & Max. @100 Deg.C
11	Programming	:	By Programmable keys provided on front panel & HART
12	End Connection	:	Flanged ANSI 150#, Drilled as per ANSI 16.5
13	Grounding Ring	:	Mounted on Measuring Head on both Flanges. (Grounding ring with neck for Protection of liner of measuring tube.)
14	Enclosure	:	The Enclosure of Converter unit as well as Magnetic head should be Waterproof designed for outdoor application (As per IP 68)
15	Accessories	:	1. Mounting arrangement for Electronic unit, 2. Sensing Cable (for connecting Measuring head and Converter Unit), length - 10 mtrs 3. Cable Glands, User manual, etc.
16	Make	:	Endress + Hauser, ABB & Siemens

— K. L. Rangaiah  
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