


INTERPLANT STANDARD - STEEL INDUSTRY		
 IPSS	SPECIFICATION FOR CAPACITANCE TYPE LEVEL SENSOR	IPSS: 2-07-081-13 <i>(First Revision)</i>
	No Corresponding IS	Formerly: IPSS:2-07-081-92

0. FOREWORD

- 0.1 This Interplant Standard was prepared by the Standards Committee on Computerization & Automation, IPSS 2:7, with the active participation of the representatives of all the steel plants, other concerned organizations and other associated organizations and was adopted with first revision in August, 2013.
- 0.2 Interplant standards for steel industry primarily aim at achieving rationalization and unification of parts and assemblies of process and auxiliary equipment used in steel plants and these are intended to provide guidance to the steel plants equipment, consultants and manufacturers in their design activities.

1. SCOPE

- 1.1 This Interplant standard covers the specification for capacitance type level sensor.

2. SPECIFICATION

- 2.1 Specification for capacitance type level sensor shall be as follows:

Principle	:	Variation of dielectric constant and in turn the electrostatic capacitance formed between the sensing probe and vessel wall, due to the change in material level.
Indication	:	0-100% linear analogue
Output	:	4-20 mA dc
Power supply	:	230 V ac (+10%, -15%); 50 Hz (+5%, -6%), 24Volt dc, 2 wire
Ambient Temperature	:	50°C
Accuracy	:	± 1% of full scale or better
_____	:	Cart Aluminium epoxy coated weather proof

Enclosure : As per latest version of IPSS:2-07-001 'Guide for tests for hardware and enclosures for different environments'.

Probe Type : Rod/ Rope as applicable

Surge Protection : As per IPSS/ IS/ IEC Standard
