

## S20 Suspended Solids Sensor

Get better control of your suspended solids, control your losses, control product change, control concentration, control dosing - accurately and repeatedly.

- Four beam self compensating sensor, virtually eliminates drift due to contamination or electronic ageing.
- One piece body, no lenses to leak, glass free.
- Range of sensors to best suit application.
- Both Immersion and Hygienic configurations.
- Simple user interface.
- Accurate, repeatable & reliable.

**S20 Measurement Range, 0 to 10g/L normal activated sludge. 0 to 20% Milk Fat**



S20-3HY



S20-VN



S20-IMM

**S20-3HY 3A CERTIFIED AND S20-VN VARINLINE®  
INLINE HYGIENIC STYLE -**

Hygienic style sensors are designed for installation directly into food product lines where CIP cleaning is used.

**Hygienic Style Applications include;**

- Extensive use in Dairy Process
- Product Water Interface
- Solids Concentration Control
- CIP Control
- Filtration Monitoring
- Separator Monitoring
- Juice Solids Concentration

**S20-IMM IMMERSION STYLE**

Immersion style sensors are designed for continuous on-line monitoring of suspended solids in industrial/municipal water and waste water treatment plants.

**Immersion Style Applications include;**

- Product Loss Monitoring and control.
- Mixed Liquor Suspended Solids (MLSS)
- Sludge Blanket Detection
- Return Activated Sludge (RAS)

## Specifications

### Measuring Range

Immersion Sensor:

0 to 10 g/L in normal activated sludge

Hygienic Sensor:

0 to 20% Milk Fat

(the measuring range will vary according to media and particle characteristics)

### Accuracy

+/- 2% of reading

### Repeatability

+/- 1% of reading

### Temperature

0 to 85°C operating range

### Pressure

10 Bar

### Cable:

Polyurethane covered cable rated to 95°C.

Extension cables can be supplied to extend the cable up to 50m.

### Transmitter

Quadbeam MXD75 or MXD73

## Model No. Selection Guide

### Body Style

**S20-IMM-** Immersion Style Body

**S20-3HY** - Hygienic Style Body with 3" Triclover fitting

**S20-VN** - Hygienic Style Body to fit Type N Varinline® access unit.

### Wave Length

**880nm** - Standard. Other wave lengths available

### Body Material

**PP** - Polypropylene

### Cable

**10-** Both immersion and hygienic sensors are supplied with a 10m cable as standard. Other lengths available

### Connector

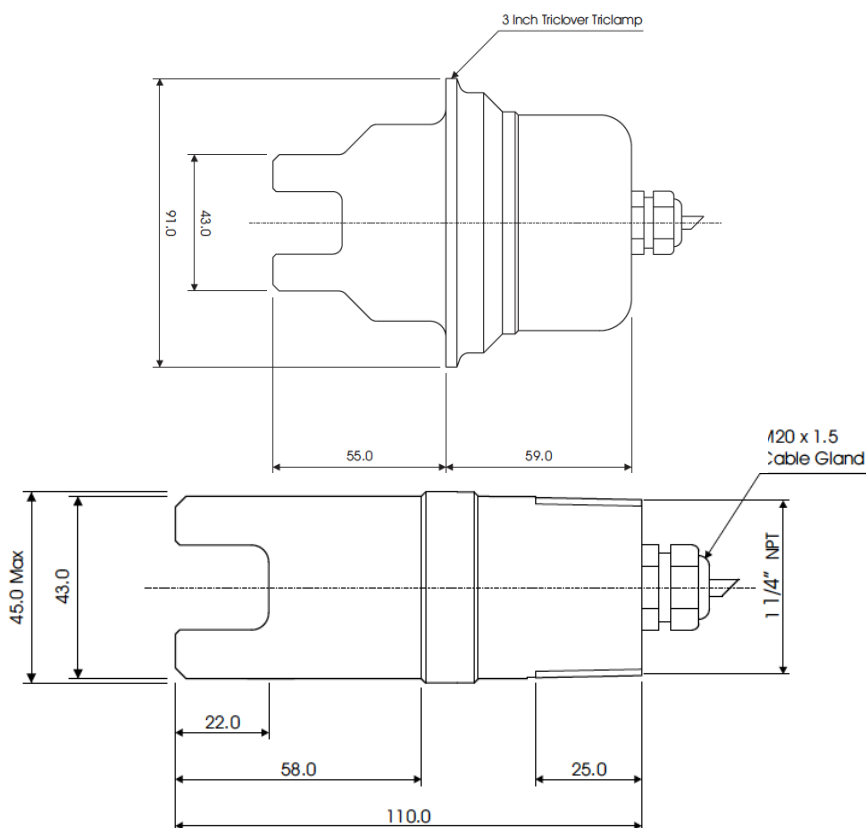
**NC-** No Connector. Cores stripped and crimped for direct connection with the MXD Transmitters

**CA** - Amphenol Connector. For use with Hygienic sensors using extension cables.

Sample model no; S20-IMM-880-PP-10-NC

### Optional Extras:

**Cleaner** - powered using air at 10Bar.



**DASTEC S.R.L.**

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