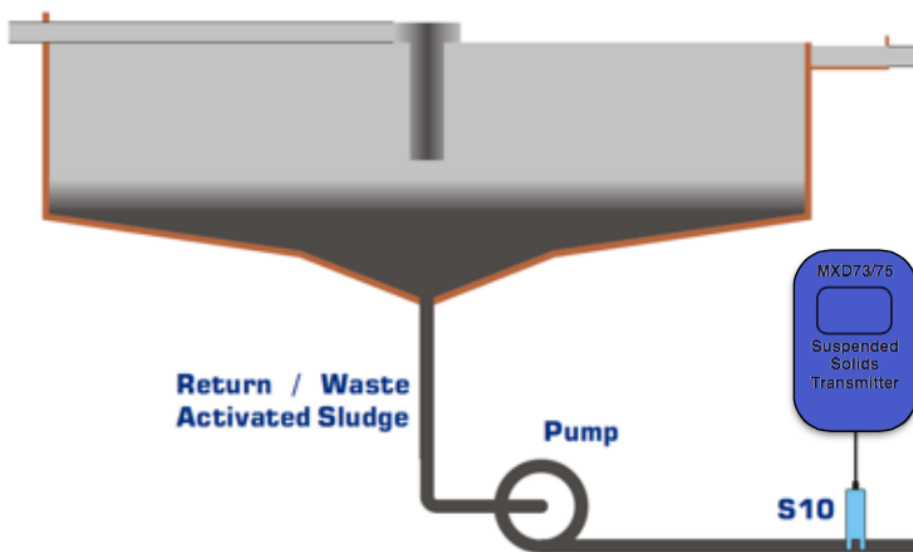


Application: Return/ Waste Activated Sludge Measurement

Product – Quadbeam Technologies S10 Immersion Suspended Solids Sensor & MXD Transmitter Series

The MXD73 or 75 transmitter with the S Series 10 Suspended Solids Sensor, immersion style, are used to monitor the settled sludge pumped out of the secondary clarifier. The MXD73/75 transmitter outputs current signal that is proportional to the solids concentration. The plant control centre uses this data to optimise "wasting", the cyclical diversion of return activated sludge to thickening / digesting equipment.



MXD73 or 75 Transmitter

- Up to 6 isolated fully scaleable 0/4 - 20mA current output that can be driven to 22mA or 0mA in an error condition.
- Up to 6 fully configurable relay outputs.
- IP66 / NEMA 4X.
- Easily configured using the keypad and large multifunction display.
- User Adjustable Calibration Menu.
- Universal power supply 85 to 260 Volt AC/DC. Or low voltage option 18 to 36 Volt AC/DC.

S10 Immersion Sensor

- Provides a continuous online monitoring of the return / waste activated sludge.
- Uses Quadbeam 4 beam measuring principle which compensates for changes in diode's optical properties due to ageing and surface coating.
- Polypropylene body construction, with 1 a 1/4 Inch NPT male threading.
- IP68 (NEMA 6).
- Has a 10m polyurethane covered cable, longer length are available.

