

# Ordering and Installation requirements

## Ordering requirements

Company:

<b>Plant Location:</b>  <b>Key Contact:</b> <b>Contact Number:</b> <b>Admixture supplier: Key</b>	

### What you need to consider when ordering a scale.

1. Number of admixtures to be batched?

Considerations:

- Type and number of admixtures used in mixes
- Compatibility of admixtures in concentrated form

*Information used to determine the number of compartments required and size of scale*

2. Volume of admixtures in a batch?

Considerations:

- Admixtures being used
- Mix Designs
- Batch Sizes

*Information used to determine the size of compartments*

3. Discharge requirements?

Considerations:

- All at once
- Sequential
- The most effective location for admixtures in the batch cycle

4. Speed of batching and discharge required?

Considerations:

- Production requirements (typically peak requirements)
- Compared to batch plant hourly production capacity

*Information used to determine how many weigh frames are required the diameter of feedpipes and discharge valves.*

5. Is batch computer setup for weigh batch?

Considerations:

- If not set up it may require a new weigh batch board and display unit

6. What is the plant control voltage?

*Information used to determine the voltage of solenoids*

7. What are the Load cell requirements?

Considerations:

Our standard is 3mV load cells however certain batch computers only have 20mV range in their indicators so require 2mV load cells

8. Do you require the Auto Scale Check option?

Considerations:

Functionality enables the operator to check the scales accuracy with the push of a button in a few seconds.

## INSTALLATION REQUIREMENTS

### Installation steps

1. Determine suitable location and mounting
2. When scale arrives on site install load cells and check weights – approx. 30minutes
3. Lift scale into place
4. Run admixture charge pipes from pumps to scale charge pipes
5. Run discharge pipes from discharge funnels to discharge point
6. Run 10mm airline from plant air supply, connect to solenoids on scale
7. Run fresh water supply line, connect to flush system
8. **Batch Computer Technician**
  - 8.1. Run a 0.5mm by 4 core screened load cell cable from load cell junction box to scale indicator
  - 8.2. Run a 10 – 18 (Depending on functionality selected) by 1 mm multi-core cable from control junction to batch computer junction box or substation
9. **Scale Calibration Company**
  - 9.1. Calibrate scale
10. Change mix designs (volume to mass include SG) and units of batch on batch computer
11. Install the following on the manual batch panel for:
  - 11.1. Light (Typically Red) - Valve open indicator
  - 11.2. Manual discharge button
  - 11.3. Manual flush button