

How strong is the concrete used in civil construction?

Using right flow meter in mobile concrete mixers can solve this issue.



Mobile concrete mixers are more suitable for construction sites like road, bridge and water-power engineering requirements. For every type of site, the grade of concrete mixture is different. The different proportions of components and their exact quantities are very important for getting a particular grade mixture of concrete. Concrete Mixer is a device that can prepare concrete mix of any desired strength grade very precisely and quickly. The mixer mixes the cement, sand, water etc. in adequate proportion, then starts churning the whole mixture for a particular set period.

Concrete must be continually mixed on-site and transported to the pour location via conveyor in a timely manner. For these continuous mix concrete facilities, accurate and dependable water metering is essential. If water is manually injected at site to bring the concrete mix to the desired slump rating, there are chances of having either a dilute or thick mix, resulting in batch and product quality variations. The problem comes up because the amount of water added manually is very subjective and unmonitored.

Because the amount of water used in the mix has such a major impact on the concrete's strength, it's vital to keep track of how much water is added.

Manas Microsystem recommends the Sroat Ec112 (SEc112) flow meter, which can be installed in line with the truck to track any water supplied to the mix.

Manas flow meter model SEc112 has proved to be one of the most successful water meters for concrete mixers

Application Note

Some of the advantages of using Manas SEc112 flow meter :

- It has a CE mark.
- Automated monitoring at remote location.
- Accurate and reliable flow measurement.
- Battery Operated – No power supply required.
- Very fast response to enable the user to take small batches also accurately.
- It works under most adverse conditions. It works even with intense vibrations of the vehicle.
- The enclosure is UV resistant.

For more details visit www.manasmicro.com or contact digimark@manasmicro.com