

River pump station monitoring

Metering surface water that is pumped from rivers or channels is a challenge that often fails traditional mechanical meters. The stream flows are usually trash-laden and moving at very high velocities. The wear and tear on a mechanical meter under these conditions is extreme, and consistently leads to failures and expensive repairs. Furthermore, a farm enterprise often will require more than just flow measurement information. With the AgriFlo XCi, many other farm sensors can also be monitored and logged with the same device, providing a true value-add solution.

The MACE AgriFlo XCi provides an extremely accurate and inexpensive solution for these types of applications. By using a MACE insertion velocity sensor, the MACE AgriFlo can be used in pipes from 100 mm to 2.5 m (4 in. to 100 in.) in diameter. Because the MACE insertion velocity sensor provides very little obstruction to the flow and has no moving parts, the whole system is virtually maintenance free.

However, what really sets the AgriFlo XCi apart is the ability to also monitor just about any other farm sensor. Whether the farm enterprise requires data to be monitored from soil moisture sensors or engine management sensors, the AgriFlo XCi has suitable inputs.

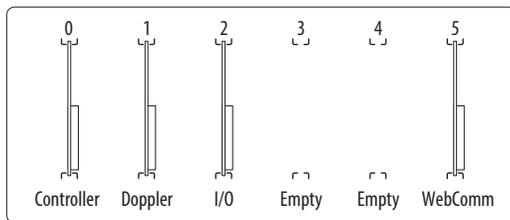
In the example shown, the AgriFlo XCi is monitoring the pumped flow as well as engine speed (RPM). Furthermore, a MACE EchoFlo depth sensor is providing the measurement of the level of diesel fuel in a tank. With a MACE WebComm card installed, these readings are available 24/7 on the MACE website, as well as having the ability to be alarmed via SMS/email to any mobile phone.



AGRIFLO XCI



CARD SLOT CONFIGURATION



SENSORS/PERIPHERALS

