

APPLICATION STUDY: MONITORING MOTOR RUN TIME IN WATER & WASTEWATER TREATMENT PLANTS WITH THE 5710A/D HOUR METER/COUNTER



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BACKGROUND:

In water and wastewater treatment plants, motor-driven systems like pumps, blowers, and mixers are essential to daily operations. Accurately tracking the run time of these motors is key to preventing failures, scheduling maintenance, and optimizing plant performance. The 5710A/D Multifunction Hour Meter/Counter offers a compact, reliable, and high-visibility solution for monitoring motor usage across critical treatment systems.

Available in both 90-270V AC/DC (5710A) and 10-30V DC (5710D) models, this digital totalizer replaces outdated analog meters with advanced tracking, precise visibility, and flexible installation options.

THE CHALLENGE:

Water and wastewater treatment plants rely heavily on electric motors to drive pumps, blowers, and mixers 24/7. However, many facilities still use outdated hour meters that provide limited accuracy, poor visibility, and lack integration flexibility. Without precise motor run-time data, maintenance teams risk missing service intervals, leading to unexpected failures, costly downtime, and potential compliance issues.

THE SOLUTION:

The **5710 Multifunction Hour Meter/Counter** offers a reliable and versatile solution for monitoring motor run time in water and wastewater applications. Its advanced feature set and compact design make it ideal for installation in pump stations, blower control panels, and MCCs.

- **6-Digit Time/Count Totalizer:** Accurately tracks motor run time up to 999,999 hours, enabling effective maintenance scheduling.
- **7-Segment White LED Display:** Provides clear visibility of motor hours in any lighting condition.
- **Inbuilt Sensor Supply:** Simplifies integration with motor controls, relays, and contactors.
- **Dual Voltage Models:** Available in 90-270V AC/DC (5710A) and 10-30V DC (5710D) to suit various installation requirements.
- **Compact Size:** Saves valuable space in control panels, allowing for more efficient use of space.
- **Selectable Least Count:** Allows configuration to match specific runtime tracking needs.

THE FUTURE:

As water and wastewater treatment plants continue to modernize and prioritize reliability, the need for accurate motor monitoring will only grow. The 5710 Multifunction Hour Meter/Counter is positioned to play a vital role in these facilities by supporting smarter maintenance strategies, reducing unplanned downtime, and extending motor lifespan.