



AIC FUEL FLOWMETERS : A WORLDWIDE REFERENCE

To reduce costs

Since fuel prices have grown up and competition has strengthened, professional mobility has become an economic and strategic stake for companies. Applications fields are vast and various. Dealing with transport of goods, fast delivery carriers, the building industry, breakdown service or the craft industry, rationalizing the moving costs is more than ever a priority. This way, costs reduction must be estimated as an entire strategy.

In order to answer to these targets, instantaneous and average consumption must be worn for the attention of the vehicle's driver. It is an emulator for a flexible and economic driving.

Thus, on a 2000 km long journey, keeping the engine speed in the green zone, anticipating the bends, using frequently the engine braking, allow to make a direct substantial diesel saving. Without forgetting the other advantages of a flexible driving on engine's wear and tear, gearbox and so on...

In fact, all the maintenance costs are concerned.



Made-to-measure solutions for specific application fields

On-road

The first implied sector in term of volume is undoubtedly the road transport. A study published in April, 2005 by Transport Info magazine considers that diesel costs amount to a company budget at a level of 25 %. This figure demonstrates without ambivalence the importance of the economic stake and the profits potentialities for those who succeed in reducing these costs ; all the more since the solution is easy to implement. It consists in two points: making the driver aware that his behaviour can reduce consumption and giving him a reliable and simple to use measurement tool.

This winning formula has already been developed by driving schools. Their mission is to teach the drivers how to adopt a flexible and economic driving. Then, they need a reliable and stable tool to measure and testify the savings. However, they have realized that bad habits fast get over after few weeks. Thus, the training must be completed with a precise tool of consumption measurement in order to perpetuate the benefits.

A worldwide reference

Along these lines, precision is a determining element for machines and vehicles manufacturers. But it also concerns the equipment manufacturers (tyres, gearboxes, lubricants, etc.) for whom the consumption measurement is a marketing asset.

Thanks to a precise measurement tool, they can develop the best solutions in developing their products. The manufacturer has to test his vehicles consumption at the assembly line exit. He must also be able to prove to the customer the reality of the forecast consumption, in the case of an after-sales service. Furthermore, he has to possess a kind of universal element of comparison which will be the same for all the automotive manufacturers. This way, he can be credible for press presentation tests, for example. To summarize, the measurement tool has to be the same in order to guarantee a common and competitive reliability.

On the other hand, this tool can be a mean to check the engine's technical characteristics : you can simply test it before stripping it down.

Stability in extreme applications

The measuring instrument quality shows itself in its precision but also in its sturdiness and its stability in extreme conditions.

It is vital for a tamping machine driver on a ski run not to run out of gas at a height of 10000 feet. In term of profitability, if a trawler leaves the harbour with 5000 gallons of fuel oil in its tank, it is easier to optimize the fishing campaign by knowing the real consumption. Then, the fisherman can decide whenever he will have to go back. Thus, he avoids the loss of arriving at the harbour with still 1000 gallons in the tank.

Finally, the consumption measurement can be used as an instrument of investigation. We are living in a world where fuel oil surely becomes a trade wealth. Indeed, when filling a tank with 500 gallons of diesel oil, are these 500 gallons used for the vehicle...?



Monitor your consumption in real time

AIC does not only provide fuel consumption measurement instruments, but also on-board tools : an totalizer and an on-board computer (a three decimals display of instantaneous and average consumption, time of driving, fuel oil consumption for a stationary vehicle, adding machine for working hours, permanent and average speed.

AIC aims to supply a precise instrument (1 % of the read value) to the driver thanks to the on-board computer.



Save fuel!

AIC allows to save from 10 to 15 % of diesel oil. If we report this figure to the one of the previous paragraph (diesel costs amount to a company budget at a level of 25 %), on a total of \$1.000.000 budget, diesel expenses represent \$250.000. Then, AIC flowmeters allow you to save up to \$37.500 over one year : that is an enormous amount !

AIC provides flowmeters dedicated to all internal combustion engines : trucks, automobiles, small delivery vehicles, but also boats, construction machines, locomotives, buses or tamping machines.

