

New: Data logger DL220W for network monitoring

A good recipe: water-tight and compatible

First, take the data logger DL220 and dispense with the display and keypad. Then make the housing water-tight. Now garnish it with a few cunning software functions et voilà, it's ready: the new data logger DL220W – ideally suited for water distribution network monitoring.

The data loggers from Elster are not just being used in conjunction with gas meters for billing purposes. One of the uses is in conjunction with water meters, for which it is essentially a case of data provision for network monitoring. Up to now, under difficult ambient conditions – such as in wells, which can sometimes become flooded – the use of data loggers was only possible with complex and expensive protective measures (additional housings, sealing compounds, ...).

With the new data logger DL220W, this kind of expenditure is no longer necessary. Thanks to constructive developments, such as using water-tight cable glands and dispensing with a display, it was possible to achieve the IP protection class IP 68. This means the unit even works



underwater. We have consciously turned our backs on the sealing compound which is generally used for the electronics system in competitive devices. Thus the batteries for the data logger and the modem, as well as the SIM card for the integrated GSM modem, can be replaced as necessary without the device needing to be sent back to the factory. The logistics and operating costs are therefore considerably reduced.

With its two pulse inputs, the DL220W is ideally suited for use in conjunction with combined water meters. Besides the data logging functions that are already known, the data from the unit can also be read out via the integrated battery-operated GSM modem, in freely definable time windows. Alternatively, data transmission is also possible via text messaging. The text-messaging function can be configured flexibly and is also suitable for various signalling functions, such as:

- load monitoring
- battery monitoring
- leak reporting

Reporting this kind of information is not limited to a mobile telephone, but can also be sent as an e-mail, depending on the service offered by the telecommunications company.

The optical interface, the data structure and the read-out commands for the archives are compatible with the standard unit DL220. This ensures that, without any constraints, all the system components of the LIS system can be used for programming and reading the units. Naturally, this also applies for the read-out systems produced by our system partners, so long as these already support data recall from the DL220.

We are continuously striving to optimise time-tested quality. In this case we are offering you a good-value unit to make carrying out your tasks in the water distribution business easier and more efficient. A further advantage – the unit is matched to your existing technical infrastructure.

Why don't you try out this "recipe"?

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