



# DATALOG H

## Dataloggers



### The solution for

- > Industry
- > Building
- > Infrastructure
- > Local authority



### Strong points

- > Easy to install
- > Connected
- > Advanced functions
- > Cyber security

### Expert Services

- > Study, definition, advice, commissioning, maintenance and training... Our experts "Expert Services" offer complete support for the success of your project.

### Function

DATALOG H80 and H81 are industrial rated dataloggers with a high storage capacity that can:

- centralise multiple Socomec measurement systems with an Ethernet connection,
- secure and store measurement data locally,
- provide data to Energy Management and Building Management software by exporting automatically and cyclically to remote servers via secure FTPS or HTTPS protocols,
- use a local Ethernet or 3G networks.

### Advantages

#### Easy to install

- DIN rail mounting.
- Compact.
- Rated to be installed in industrial environments.
- Full configuration done via the embedded webserver.
- Automatically detects Socomec meters and power monitoring devices.

#### Connected

- Automatic export to remote servers (FTPS, HTTPS) for energy index, load curves and trends (daily, weekly etc.).
- Email notifications in case of alarms on a connected device.
- 3G communication for applications with no Ethernet network available.

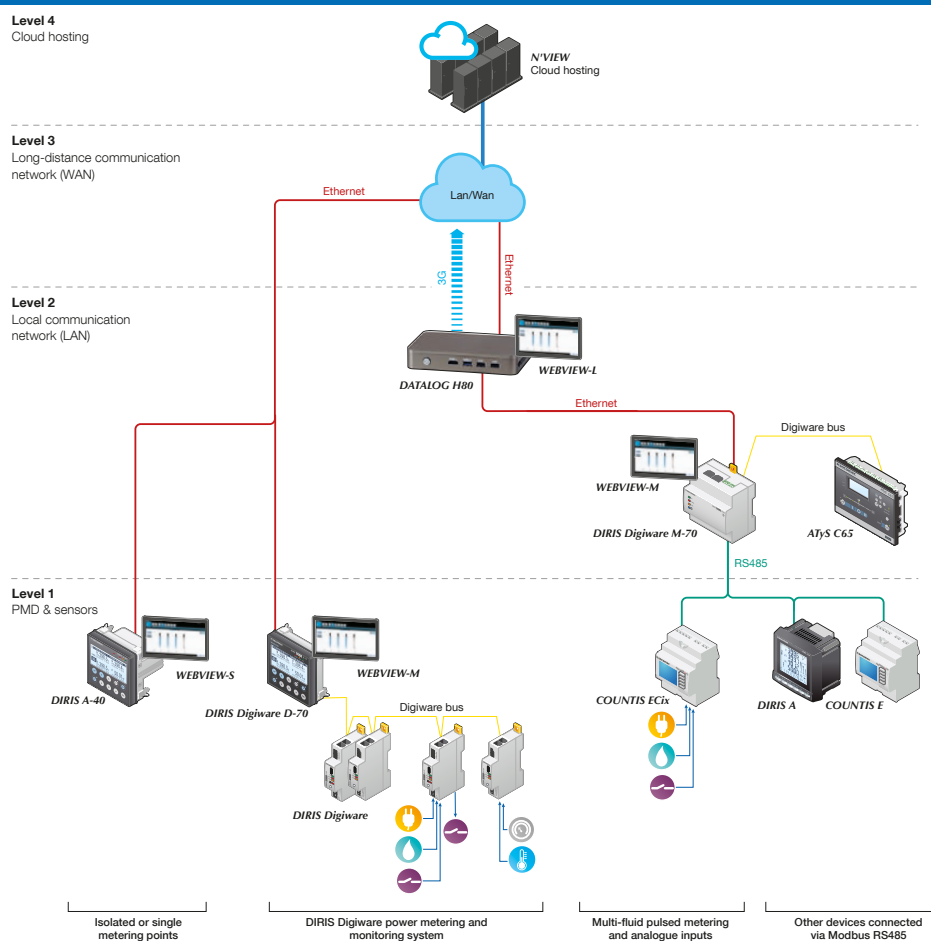
#### Advanced functions

- 64 GB memory allows to store measurements of connected devices over many years.
- Compatible with third-party Modbus devices.
- Version with embedded energy management software WEBVIEW-L (refer to WEBVIEW catalogue pages for more information).

#### Cyber security

- Secure communication protocols to ensure the confidentiality of data (HTTPS, FTPS, SMTPS).
- Custom security policy: you can disable ports, services and protocols that are not mandatory to your use case, in order to reduce the attack exposure.
- Robust password policy, to prevent unauthorised users to alter the functioning of the energy management system.

## Example of architecture for your energy management system



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## Specifications

|                          | DATALOG H80             | DATALOG H81             |
|--------------------------|-------------------------|-------------------------|
| <b>Software</b>          |                         |                         |
| Operating System         | Windows 10              | Windows 10              |
| <b>Interfaces</b>        |                         |                         |
| Input                    | 1 x USB 3.0<br>2 x USB  | 1 x USB 3.0<br>2 x USB  |
| Output                   | 1 x HDMI 1<br>1 x RS232 | 1 x HDMI 1<br>1 x RS232 |
| <b>Network interface</b> |                         |                         |
| Ethernet                 | 2 x 10/100/1000 Mb port | 2 x 10/100/1000 Mb port |
| 3G                       | -                       | 900/2100 MHz            |
| <b>Protocols</b>         |                         |                         |
| Data collection          | Ethernet/Modbus TCP     | Ethernet/Modbus TCP     |
| Data push                | FTPS/HTTPS              | FTPS/HTTPS              |
| <b>Configuration</b>     |                         |                         |
| Local                    | Yes                     | Yes                     |
| Distant                  | by FTP                  | by FTP                  |
| <b>Memory</b>            |                         |                         |
| Memory                   | Flash card 64 GB        | Flash card 64 GB        |

## References

| Datalogger   | Reference |
|--|-----------|
| DATALOG H80 (without 3G connection) <sup>(1)</sup> | 4854 0010 |
| DATALOG H81 (with 3G connection) <sup>(1)</sup>    | 4854 0011 |

<sup>(1)</sup> Does not include WEBVIEW-L software.

| Accessories                   | Reference |
|-------------------------------|-----------|
| 5 m remote antenna extension  | 4854 0105 |
| 10 m remote antenna extension | 4854 0110 |
| 20 m remote antenna extension | 4854 0120 |