# DATAHONE



# Supervised Manufacturing

## Data Sheet

**DATAHONE Supervised Manufacturing analytics service (SMas) includes, though not limited to:**

- MachineView
    - State – running, short stop, long Stop (user definable down-time reason with DAq+*)
    - Utilisation – real-time & history
    - Power Consumption (KW/h & £) - Current and History
    - Service Interval Countdown – Minor + Major

- SupervisorView
    - State – Up/Down, Yields, Service status, by plant, cell and machine (running / stopped + reason), real-time
    - OEE - by plant, cell and machine, real-time & history
    - Machine Status - by plant, cell and machine, real-time & history - Shows all running and with DAq+ specific down-time reasons
    - Job completion attainment - by plant, cell and machine, real-time & history
    - Event listing – Last 10 events
    - VideoView – 2 video windows (expandable to full screen) of detailed machine view, plant view or both*

- NumbersView
    - Utilisation - by plant, cell and machine (running / stopped + reason), real-time & history
    - Overall Production Value £- real-time & history
    - Overall Production Cost £ - real-time & history
    - Production profit / loss - real-time & history

- PlantView**
    - Factory Temperatures x 2 zones
    - Gas Usage x 2 zones
    - Electricity Usage x 2 zones
    - Water usage
    - Compressed Air – Status and pressure (bar)
    - Generator Fuel level + usage (Litres/hr)

**DAq & DAq+ Data Acquisition machine interface:**

Each machine is connected via a DAq unit. Specifications of DAq(+) include:

- 8 I/O ports (Analogue or Digital)
- Compute
  - CPU 4 Core ARM Cortex CPU 1.2GHz
  - GPU Broadcom Videocore 1V
  - RAM 1GB
  - Networking: 10/100 Ethernet, 2.4GHz 802.11 Wireless, Bluetooth 4.1, Bluetooth LE
  - Storage: 32GB - 512GB
- Micro-controller
  - ARM Cortex M3
- Power 9-36V in, 5v out, rating 13.5w
- 3 x 4M Shielded sensor cable
- Database
- OPC-UA adapter*
- OCF - Machine View (MV)
- Email and SMS alert messaging
- Warranty 12 months (return to manufacturer)
- IP65 rated
- 290mm x 230mm x 120mm
- 1Kg (excluding sensor cables)
- DAq+ includes 10" IP65 Touchscreen interface for down-time reason input*
  - Interface also provides MachineView at machine

*Note: Features are optional. Quotations will clearly state what is included and what is optional.
** PlantView requires an additional DAq unit(s) and sensors depending on distance between sensors

**About DATAHONE**

Drawing on decades of Engineering, Manufacturing and Data Science experience, we deliver unique services to improve productivity and quality. Show us the productivity challenge and we will create a Digital solution using Industry 4.0, frameworks and components to transform your manufacturing business performance.

Learn more about our digital solutions and services for manufacturers at www.datahone.co.uk

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