

MultiSystem 5070 extended channel measuring & datalogging unit **5070-MX**

- Accepts up to 24 standard external sensors
- Selectable mA, frequency & RTD or thermocouple extension options
- Connections for additional external CANbus or J1939 system data
- View and log all connected sensors simultaneously
- Powered by mains, 12/24V auxiliary vehicle supply or rechargeable battery
- All housed in a rugged ABS IP67 carry case



The ideal field service or R&D tool for multi-channel data monitoring of hydraulic or process systems. Measure and log up to 24 channels of external sensor data and up to 40 channels of external sensor & CANbus data.

Plant engineering
Industrial machinery
Agricultural machinery
Hydraulics
Automotive

5070-MX Multi-channel datalogger

The 5070-MX test units comprise of the MultiSystem 5070 portable hand held datalogger and any combination of the MultiXtend series of channel extension modules. These are housed within a rugged, weatherproof portable carry case enclosure with external fascia plates housing all external sensor cable, power and communication connections. The 5070-MX can be configured with extra analogue (4-20mA), frequency (pnp pulse) and thermocouple (type K) four channel extension modules as required. The 5070-MX can be powered by AC Mains, 12/24Vdc or rechargeable battery supply, all included as standard.



View up to 42 channels of data as graph, alphanumeric or display tiles with easy viewing page by page.

5070-MX Connection Overview



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| 1) Fuse holder |
| 2) Mains Power & charging connection with LED status |
| 3) Battery On/Off switch with LED status |
| 4) 12/24Vdc Auxiliary power connection |
| 5) USB-D connection |
| 6) CANbus#1 connection |
| 7) Digital Trigger Input / Output Channels 9 & 10 |
| 8) CANbus#2 connection |
| 9) USB-A connection |

If selecting full 26 channel connection unit, additional channels 27 to 42 remain free in the 5070 for configurable calculations, formulae, additional CANbus sensor signals or J1939 CAN machine data.

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|---|
| 10) 6 pin M16 male cable connections |
| 11) Type K thermocouple mini jack connections |

- | |
|---|
| Channels 1 to 6 = 0...20mA, 4...20mA, 0...10V, ±10V, 0.5...4.5V, 1...5V or 2...10V selectable |
| Channels 7 to 8 = As channels 1 to 6 with additional pnp frequency pulse and totalising options |
| Channels 9 to 10 = Digital I/O trigger switch channels (on opposite side) |
| Channels 11 to 26 = 0 or 4...20mA, 0 to 10V, frequency, RTD or thermocouple channels (configurable in groups of 4) |

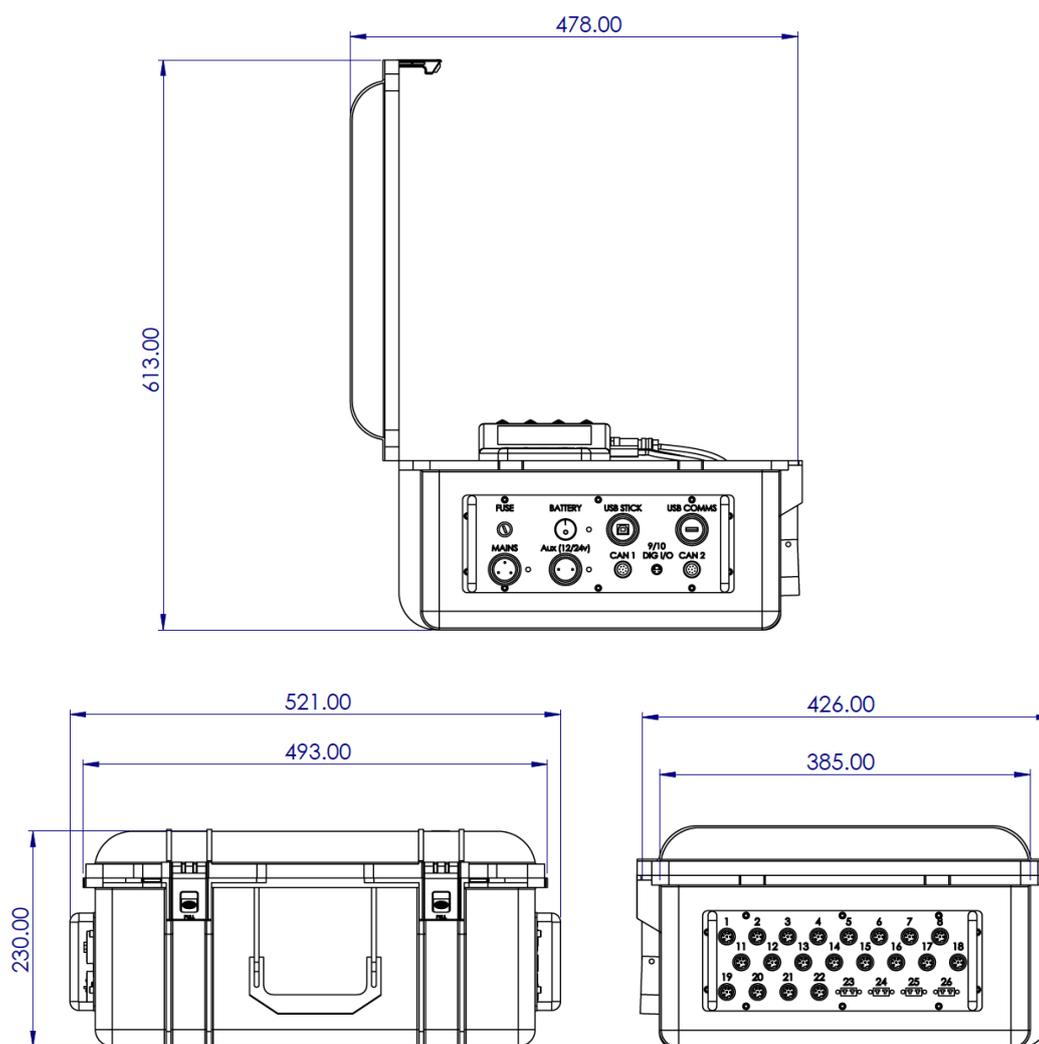
5070-MX Multi-channel datalogger

Technical Specifications

Specification	Detail
Dimensions	(w)521 mm x (d)426 mm x (h)230 mm
Weight	15 kg
3 modes of operation	240Vac Mains power 12/24Vdc Auxiliary power Rechargeable Lithium Ion battery (1.3Ah)
Charge time	2 hours (80%) 5 hours (100%)
Run time	3 hours
Duty cycle	Continuous
Materials	Polypropylene carry case, Aluminium side panels (stainless steel on request)
Protection	IP67 (when closed)

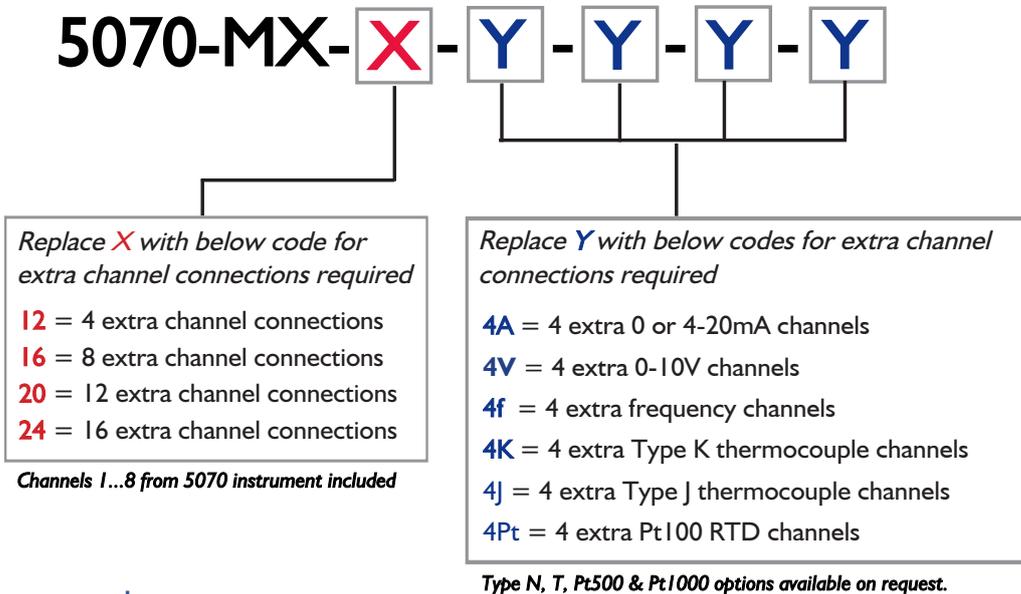
For full technical specifications of the MultiSystem 5070 instrument, please refer to separate data sheet.

Drawing

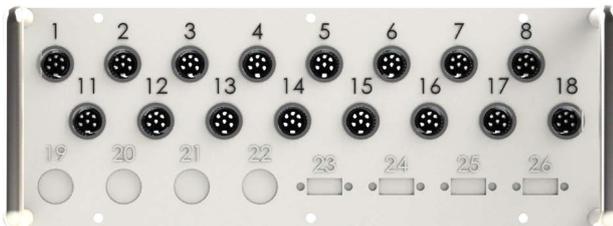


5070-MX Multi-channel datalogger

Order codes

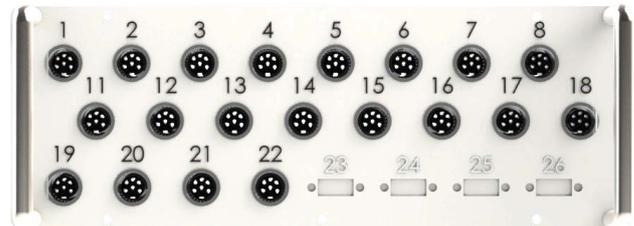


Ordering examples



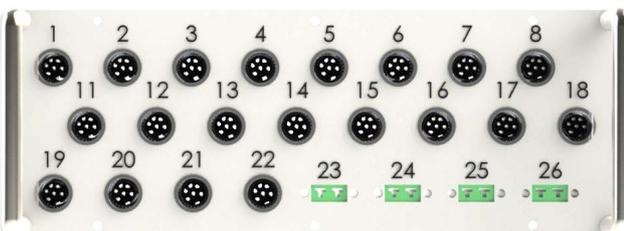
5070-MX-16-4A-4A

5070-MX with 16 channel connections:-
 standard 8 channels of MultiSystem 5070 plus 8 extra channels comprising of 8 extra 4-20mA inputs



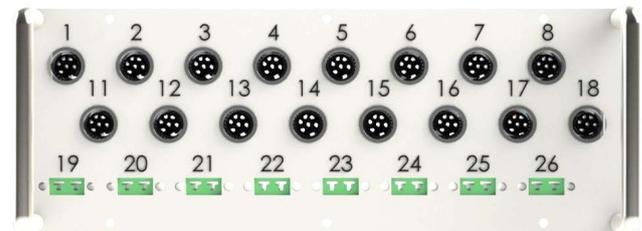
5070-MX-20-4A-4A-4f

5070-MX with 20 channel connections:-
 standard 8 channels of MultiSystem 5070 plus 12 extra channels comprising of 8 extra 4-20mA inputs and 4 extra frequency inputs.



5070-MX-24-4A-4A-4f-4K

5070-MX with 24 channel connections:-
 standard 8 channels of MultiSystem 5070 plus 16 extra channels comprising of 8 extra 4-20mA inputs, 4 extra frequency inputs and 4 extra type K thermocouple inputs.



5070-MX-24-4A-4A-4K-4K

5070-MX with 24 channel connections:-
 standard 8 channels of MultiSystem 5070 plus 16 extra channels comprising of 8 extra 4-20mA inputs and 8 extra type K thermocouple inputs.