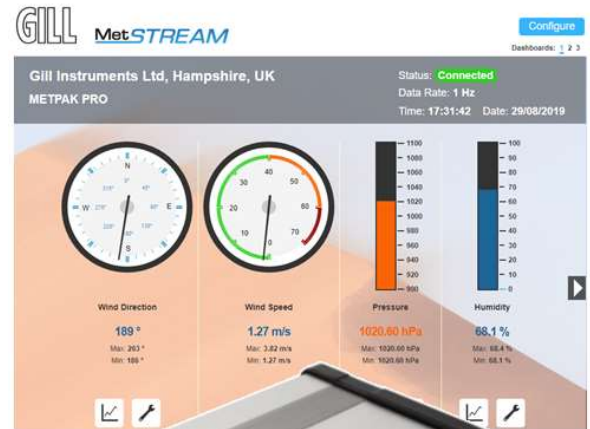


195-1955-100-0x MetStream Data Logger

The **MetStream 100** is a communications hub and data logger that connects an intelligent serial device (typically a multi-parameter weather sensor) to the internet. Data can be accessed practically anytime, anywhere using a web browser. The Ethernet port can be wired to a LAN or connected to a WiFi adapter for wireless communications.

All of the settings and features of MetStream are available via the internal web browser interface. In addition a pass-through feature allows direct communication with the remote sensor for configuration purposes. The 8 GB on-board memory allows long periods of logging even when sampling at rates up to 32 Hz.

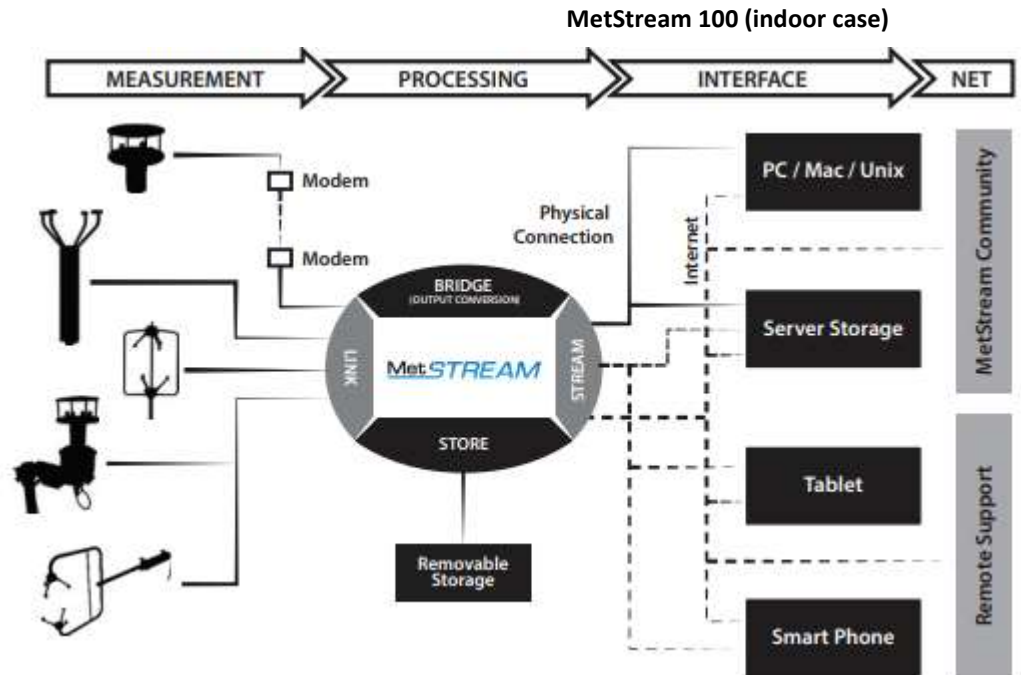


Features

- Connects RS232/RS422/RS485 sensor outputs to Ethernet 10/100 Base-T networks
- Full PC with low power ARM processor
- 8 GB data storage on the internal SD flash memory
- USB 2.0 expansion port for external data storage, 32GB max
- Easy to use, web browser interface

Application Examples

- ➔ **WindSonic** (WS, WD)
- ➔ **WindObserver** (WS, WD)
- ➔ **WindMaster** (3 axis) (WS, WD)
- ➔ **MetPak** (WS,WD, T, RH, P)
- ➔ **HS** (3-axis) (WS, WD)



Ordering Information

- 195-1955-100-01-00
- 195-1955-100-02-00

Above part numbers include:

- MetStream 100 Data Logger, indoor case
- MetStream 100 Data Logger, outdoor protection box (IP65, -20°C to +70°C, 13.2" x 8.7" x 4.2")
- MetStream 100 with power adapter (Universal AC input, 12v dc 1A output)
- Ethernet cable (2m). Crossover Ethernet cable (1m)
- CD with MetStream 100 User Manual and MScan IP address scan software
- Terminal block 8-way connector. DC input power plug (2.1mm)

Optional:

- 195-TL-WR802N N300 Wireless Nano Router (WiFi adapter)

ELECTRICAL

Power requirements	9-30 VDC 2 Watts maximum at 12 VDC MetStream only 6 Watts maximum at 12 VDC including external sensor
Power over Ethernet	Built-in receiver (IEEE 802.3af-2003)
Measurement	32 Hz maximum data input rate

EXTERNAL INTERFACES

Digital	RS232, RS422 or RS485 communications via plugable terminal strip
Ethernet	8P8C format, 10/100BASE-T speeds to connect to a customer supplied computer, device or network
LEDs	1 for power, 1 for status
Power	DC in (if not using PoE)

OUTPUTS

Hardware Platform	Linux Operating System running on ARM processor
Timing	Real Time Clock onboard. PTP (Precision Time Protocol) & NTP (Network Time Protocol) supported over Ethernet.
Data Storage	8 GB storage, suitable for 1 week @ 20 Hz data rate or up to 3 months @ slower speeds.

MECHANICAL

External Dimensions	112 x 111 x 34mm (L x W x D)
Material	Aluminium / Plastic
Weight	260 grams

ENVIRONMENTAL

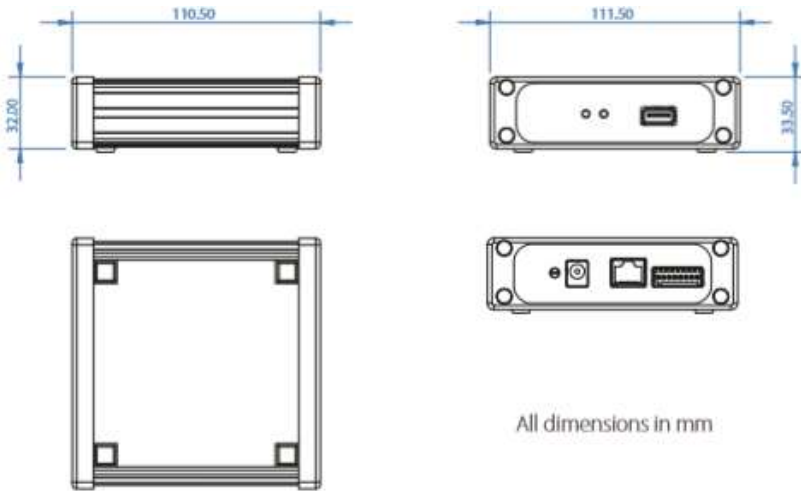
IP Rating	40 (indoor use), 65 (outdoor enclosure)
Operating Temperature	-20 to + 70° C
Storage Temperature	-40 to + 80° C
Operating Humidity	< 5% to 95% RH
EMC	BS EN 55024:2010 and 55022:2010
FCC	CFR47 Part 15B

OPERATIONAL

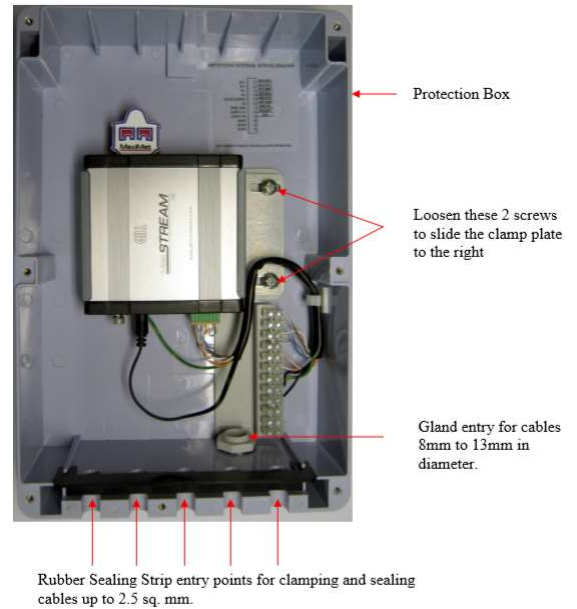
Warranty	12 Months
Accessories	Quick start guide, CD, Ethernet Cables, Instrument connector, power adapter

OPTIONAL

Thermoplastic enclosure for outdoor use of MetStream



Drawing representative of MetStream 100
Specifications may be subject to change without prior notice.



----- MetStream 100 (indoor case) -----

MetStream 100 (outdoor protection box)