

FLOSENSE 2.0

FLOW MONITORING SYSTEM



Technical Description:

Flosense; the affordable, flexible flow monitoring system designed for accurate measuring and monitoring of flow, temperature and pressure variations in cooling circuits

Flosense is designed to be installed in various locations within the cooling circuit including the main water supply, the mould heater, critical cooling channels or distribution manifolds.

Quick to install and easy to set-up, Flosense is a critical component in any injection moulding configuration and should form part of any setup where cost, control and quality are key considerations.

Additional information:

For additional information on how to install and use the Flosense system, check the guides and manuals available on the Mouldpro website, or contact sales@mouldpro.com.

Properties:

Flow measurement range: 0.5 - 400 L/min
 Pressure measurement range: 0 - 10 Bar
 Maximum sensor operating pressure: 16 bar
 Temperature measurement range: 0 - 120°C or 0 - 160°C
 Ambient temperature: -25 to +60°C
 Thread: RG A – ISO 228/1

Sensor types:

Manifold cooling circuits: Flow + Temperature
 Manifold inlet and return: Pressure + Temperature

Flow pipe material:

0.5–200 L/min versions: AISI 316
 20–400 L/min version: PPA40-GF

Flow insert material:

120°C Version: PPA40-GF
 160°C Version: PPS



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DISPLAY



Connections and mounting:

- 4 Female 3-Pin M8 sockets for connecting up to 8 manifolds
- 1 Male 4-Pin M8 socket for alarm cable
- 1 Male 3-Pin M8 socket for power supply
- 1 Mini-USB socket
- 1 Cat6 Ethernet Socket
Can be used for OPC-UA or VNC connection.
- 1 Snap on bracket with magnets for mounting on metal surfaces
Alternatively, the bracket has holes for mounting as well.

Key Features:

- Digital monitoring of Flow, Temperature and Pressure on up to 12 cooling circuits per manifold.
- Data storage and export.
- Possibility to monitor and log data on up to 48 cooling circuits
- Possibility to connect up to 8 manifolds
- Alarm output with relay for warnings and alarms.
- OPC-UA/Euromap Interface
- VNC Dual link screen mirror connection

Properties:

Display	7" TFT touch screen with 16.7M Colours
Resolution	1024 x 600
Operating temperature	0 to 40°C

Power supply input

Voltage:	100-240V~
Frequency:	50-60 Hz
Current:	0.6 A

Power supply output

Voltage:	9 VDC
Current:	2 A
Output capacity:	18 W

Alarm output

Voltage:	5 VDC
Current:	3 A

Bracket magnets

Material:	Neodymium N38
Magnetic field intensity:	2500 GS