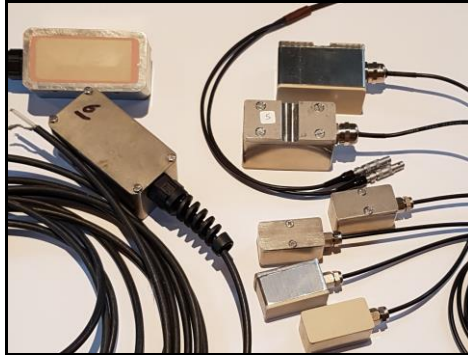




The Sonic Driver Clamp-on Flow Sensor Family



The Sonic Driver flow sensor family includes sensor frequencies and physical sizes to cover the range of pipe outer diameter 10 to 6500 mm.

The sensors are matched in production using sophisticated methods and our extensive knowledge of sensor design and performance to give excellent zero flow stability.

Materials of manufacture are chosen to give excellent stability with temperature, time and chemical tolerance.

The sensors have standard and optional; connection, temperature range, cable length and Ingress Protection ratings.

Our Ingress protection IP68 is tested to 1.5 m for 30 minutes.

Sensor Selection

The sensor family includes 4 operating frequencies to cover the range of pipe outer diameter 10 to 6500 mm, see below table (1) and figure (1).

DM Sensors

- DM sensors, for pipes from 15 to 750 mm.
- 1.0 and 2.0 MHz operating frequencies.
- Sensor dimensions 40 x 20 x 25 mm.
- Material stainless steel and PEEK.
- Temperature range, -10 to +80 degC.
- Ingress Protection rated IP54, with IP68 optional.
- RG174 cable length 1.5 m as standard, extensions optional.
- Lemo 00 plugs for connection to Portable flowmeters.
- Optional bare ends for connection to Fixed flowmeters.

DN Sensors

- DN sensors, for small pipes from 10 to 75 mm.
- 1.0 and 4.0 MHz operating frequencies.
- Sensor dimensions 30 x 15 x 12 mm.
- Material stainless steel and PEEK.
- Temperature range, -10 to +80 degC.
- Ingress Protection rated IP54, with IP68 optional.
- RG174 cable length 1.5 m as standard, extensions optional.
- Lemo 00 plugs for connection to Portable flowmeters.
- Optional bare ends for connection to Fixed flowmeters.

DS Sensors

- DS sensors, for large pipes up to 6500 mm.
- 0.5 and 1.0 MHz operating frequencies.
- Sensor dimensions;
 - 0.5 MHz 80 x 40 x 55 mm
 - 1.0 MHz 60 x 30 x 35 mm.
- Material stainless steel and PEEK.
- Temperature range, -10 to +80 degC standard, -20 to +130 degC optional extended range.
- Ingress Protection rated IP54, with IP68 optional.
- RG58 cable bare ends length 3 m as standard, extensions optional.
- RG174 with Lemo 00 plugs for connection to Portable flowmeters.

Sensor Type	Frequency	Pipe Outer Diameter (mm)	
		Minimum	Maximum
DS05	500 kHz	750	6500
DS10	1 MHz	50	3000
DM10	1 MHz	25	750
DM20	2 MHz	15	150
DN10	1 MHz	15	75
DN40	4 MHz	10	50

Table (1)

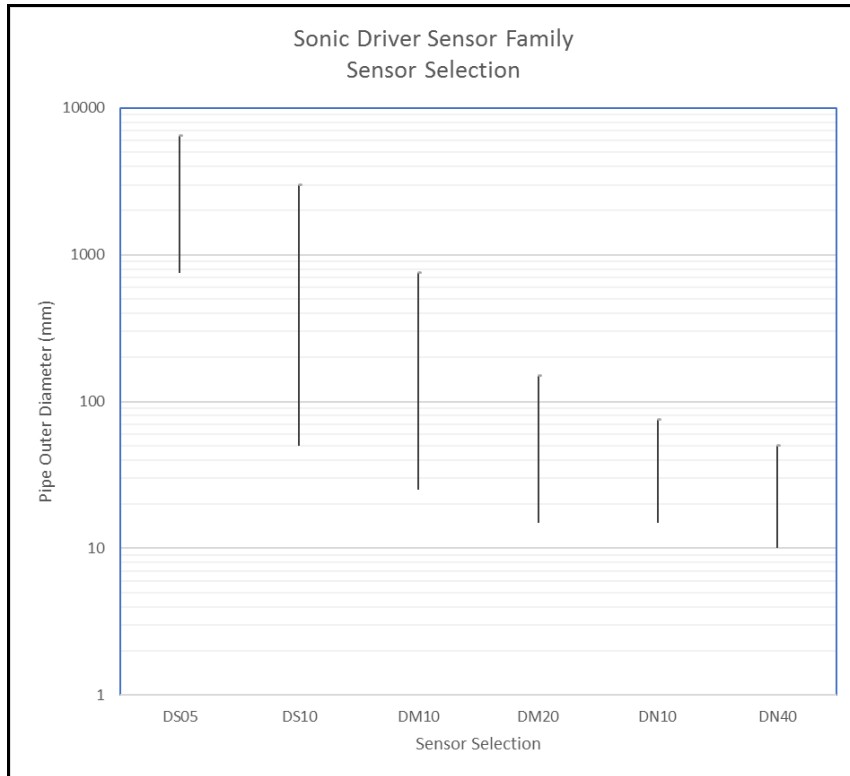


Figure (1)

For more information or to arrange a demonstration please contact Sonic Driver by email enquiries@sonic-driver.com, telephone +44(0)7971 273000 or by post at the address shown at the bottom of this page.

Sonic Driver Ltd accepts no responsibility or liability if any of its products have not been installed in accordance with the installation instructions applicable to the product. Sonic Driver Ltd reserve the right to alter any specifications without notice.

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