

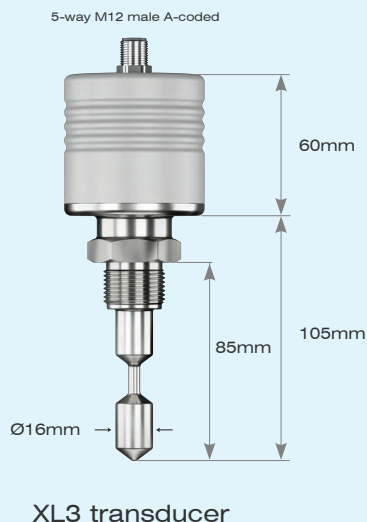
# XL3-100

## mini viscometer

innovators in fluid measurement

**Hydramotion**

- ▶ **real time viscosity**
- ▶ **super-lightweight compact design**
- ▶ **integral temperature sensor**
- ▶ **no moving parts — no maintenance**



## SPECIFICATION

|                      |                                                                                             |
|----------------------|---------------------------------------------------------------------------------------------|
| Viscosity range      | 0 - 5,000 cP                                                                                |
| Measurement time     | 1 second                                                                                    |
| Accuracy             | 1% of reading or $\pm 1$ digit                                                              |
| Repeatability        | 0.3% of reading or $\pm 1$ digit                                                            |
| Analogue outputs     | 1 x 4-20mA configurable, representing either viscosity, referenced viscosity or temperature |
| Digital outputs      | RS485 Modbus® data link                                                                     |
| Power supply         | 12-24V DC @ 60-80 mA                                                                        |
| Integral thermometer | integrated RTD                                                                              |
| Temperature range    | -30 to +100 °C                                                                              |
| Pipe connection      | 3/4" BSPP                                                                                   |
| Cable length         | up to 1.2 km                                                                                |
| Cable type           | 5-way M12 male A-coded                                                                      |
| Construction         | all-welded, crevice-free                                                                    |
| Materials            | head: acetal homopolymer<br>sensor: SS316 (EN 1.4401)                                       |
| Surface finish       | N6 0.8 $\mu$ m Ra                                                                           |
| Weight               | 750 g                                                                                       |
| Ingress protection   | IP67                                                                                        |
| Software             | VLink (Windows 7 onwards)                                                                   |

