

# XL7-100

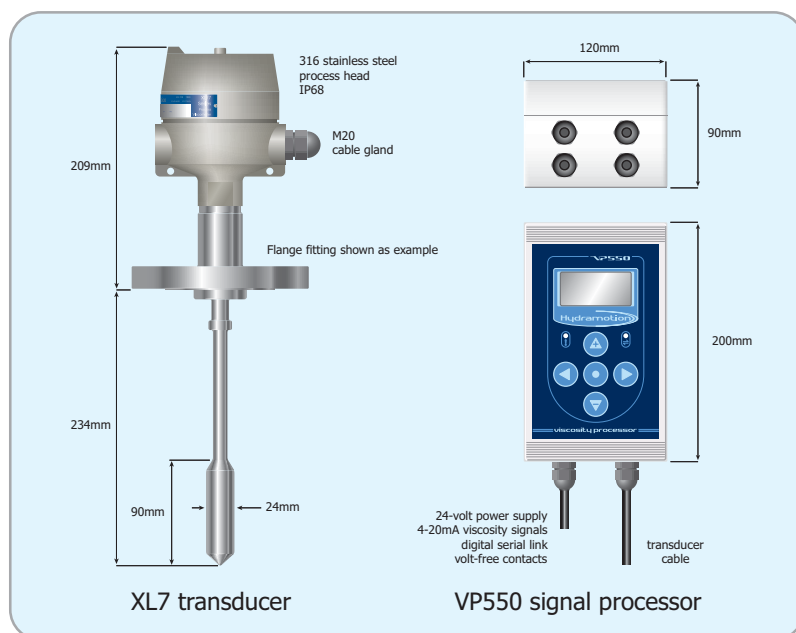
## on-line process viscometer

innovators in fluid measurement

**Hydramotion**

### Features

- ▶ high sensitivity over wide range
- ▶ simple tank or pipeline installation
- ▶ high accuracy and repeatability
- ▶ no moving parts — no maintenance



### Specification

#### Transducer

|                              |                                    |
|------------------------------|------------------------------------|
| Viscosity Accuracy:          | ± 1 % of reading                   |
| Viscosity Repeatability:     | ± 0.3 % of reading                 |
| Complete Viscosity Range:    | 0 to 10 <sup>9</sup> cP            |
| *Temperature Range (sensor): | -40°C to 150°C                     |
| *Pressure Range:             | to process fitting                 |
| Process Connection:          | To suit application                |
| Overall length:              | 443mm                              |
| Weight:                      | 4 kg + fitting                     |
| Materials:                   | All 316 SS (Optional: Hastelloy C) |
| Environmental Rating:        | IP68                               |
| Safety Certification:        | Safe area                          |

\*Note: Extended temperature- and pressure-range instruments also available

#### Signal Processor

|                       |                                                                                           |
|-----------------------|-------------------------------------------------------------------------------------------|
| Processor Unit:       | VP550                                                                                     |
| Environmental Rating: | IP65                                                                                      |
| Power Supply:         | 24V DC @ 100mA (including transducer)                                                     |
| Analogue Outputs:     | 3 × 4-20mA fully configurable, representing viscosity, corrected viscosity or temperature |
| Digital Output:       | RS485 Modbus serial link                                                                  |
| Temperature:          | Viscosity correction to reference temperature                                             |
| Alarms:               | 2-off volt-free contact outputs                                                           |

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