Economical, easy-to-use monitoring and closed-loop control of material delivery improve production efficiency and product quality.

Variation management is the ability to measure, understand and improve material delivery and dispensing during all phases of production. This allows manufacturers to reduce waste, improve product quality and enhance production efficiency in numerous markets and applications.

Concert series flow controllers enable flow monitoring and closed-loop control for the installed base of material delivery systems when used with a Nordson TruFlow™ meter, divider or applicator. When operated in control mode, the resulting system measures actual material delivery, compares to the requirement and continuously adjusts melter pump output in real-time, vastly improving accuracy of material delivery, especially during production start.

The Optix™ user interface offers a color LCD touch screen for intuitive control and visibility of system status at a glance. Additionally, the Optix interface provides data logging and on-screen graphing capabilities.

Concert flow controllers also support heating channels associated with additional TruFlow equipment and hoses.

**Benefits**
- Accurately monitor or control one or two dispense circuits in real-time with basic controller and up to four with expanded controller
- Intuitive touch-screen interface simplifies set-up and operation
- Data logging and graphing improve operational control
- Easily integrates with existing systems
### Specifications

**Control Modes**
- Manual, Pressure, Gear to Line, Flow w/Pressure Build

**Pressure Transducer Options**
- 0-10VDC, 4-20mA

**Line Speed Reference Inputs**
- 1

**Line Speed Reference Options**
- 0-10VDC, 4-20mA

**Operating Temperature Range**
- 40 to 204°C (100 to 400°F)

**Ambient Temperature Range**
- 0 to 40°C (32 to 104°F)

**Temperature Control Stability**
- ±1°C (2°F)

**Temperature Control Sensor Options**
- Nickel 120 Ohm RTD, Platinum 100 Ohm RTD

**Input/Output Capability**
- 4 inputs/3 outputs

**Ingress Protection Rating**
- IP33

#### Basic

- **Electrical Requirements**
  - 200/240 VAC 50/60 Hz single-phase,
  - 240 VAC 50/60 Hz, 3-phase

- **Number of Flow Channels**
  - Up to 2

- **Pressure Transducer Inputs**
  - Up to 2

- **Maximum Heating Capacity**
  - **Channel 1**
    - 1200 watts per channel/
    - 1000 watts per zone
  - **Channel 2**
    - 1200 watts per channel/
    - 1000 watts per zone
  - **Channel 3**
    - 2800 watts per channel/
    - 1800 or 1000 watts per zone
  - **Channel 4-5**
    - N/A

- **Weight (approx.)**
  - 13.6 kg (30 lbs)

#### Expanded

- **Electrical Requirements**
  - 240 VAC 3-phase Delta
  - 400/230 VAC 3-phase Wye

- **Number of Flow Channels**
  - Up to 4

- **Pressure Transducer Inputs**
  - Up to 4

- **Maximum Heating Capacity**
  - **Channel 1**
    - 1400 watts per channel/
    - 1000 watts per zone
  - **Channel 2**
    - 2000 watts per channel/
    - 1000 watts per zone
  - **Channel 3**
    - 4000 watts per channel/
    - 2000 watts per zone
  - **Channel 4-5**
    - 4000 watts per channel/
    - 2000 watts per zone

- **Weight (approx.)**
  - 26 kg (80 lbs)

### Dimensions

- **Basic Concert Flow**
  - 444.5 mm (17.5 in.)
  - 355.6 mm (14 in.)
  - 200.9 mm (7.91 in.)

- **Expanded Concert Flow**
  - 508 mm (20 in.)
  - 508 mm (20 in.)
  - 254 mm (10 in.)