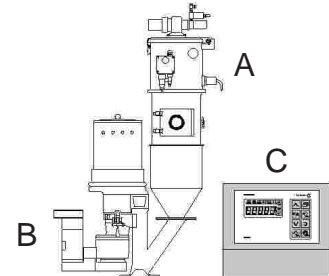


Typical application of a volumetric dosage control.

- A Loader
- B Dosing station
- C Controller

Component C is described below.



Brief Description

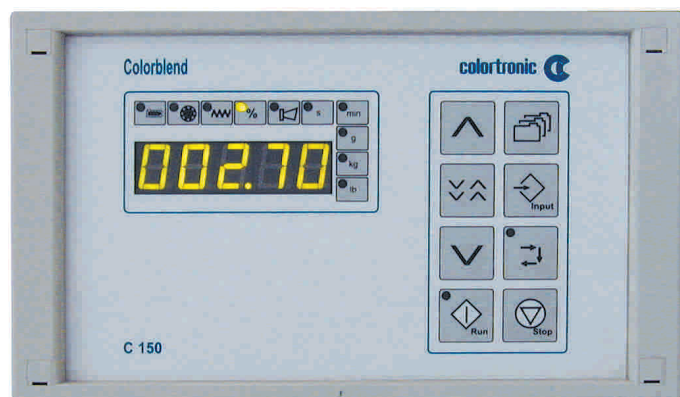
The Colortronic C150-E is a microprocessor based controller used to operate the Colorblend automatic dosing station for extrusion applications.

To control the variable speed DC motors, we utilize pulse width modulation technology. This technology keeps the motor torque constant over the entire control range of operation. The drive operates with a built-in quartz cycle, digital control circuit, directly tied into the impulse speed transmitter in the dosing motor. This holds the inputted motor speed at an accuracy level of 1minute.

A sturdy key pad allows operational inputs. Operating conditions are displayed by symbols.

The additive is dosed synchronously with the main component and the RPM of the extruder or external signals. The RPM of the dosing motor is adjusted continuously and is fully automatic. RPM fluctuations of the extruder are detected and compensated.

- Colortronic dosage controls are designed for continuous 24-hour, 3-shift operations
- Colortronic dosage controls meet "CE" requirements.



Technical Information

Basic Version

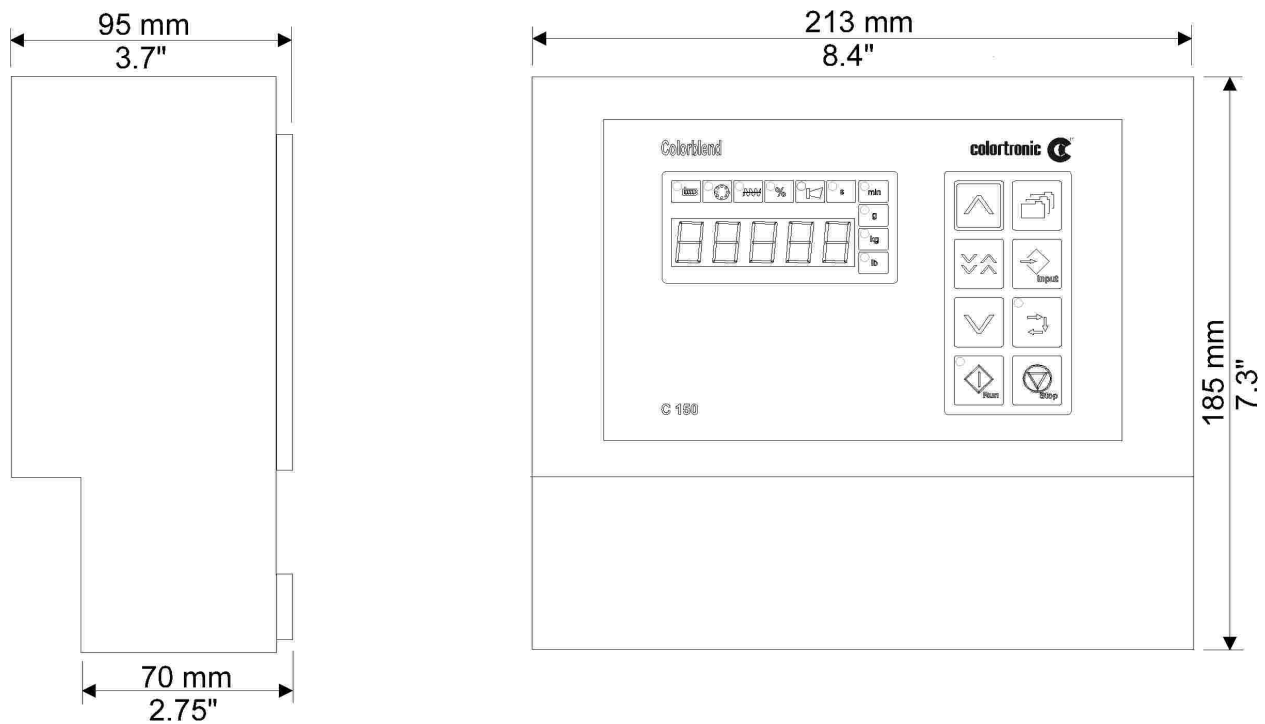
- 5 digit LED display
- Memory backup for recipe and data storage
- Dry contact extruder signal input
 - 0 to 10 V
 - 0 to 20 mA
 - 0 to 10,000 Hz
- Input for level probe for both raw material and additives
- IP64 shielding
- short circuit proof outputs
- Operates between 0°C to +50°C
- Storage temperature range -25 to +70° C.
- Operating voltage 230 VAC ±10 %, 50/60 Hz
- Connected load of 100 W maximum during operation
- Dry contact alarm output
- Thermal device protection

Optional Equipment

- RS422/465 for Euromap 17 protocol interface
- Special voltage available

Functionality

- Direct input of desired additive percentages
- Automatic calculation of calibration values for dosing
- Operating conditions shown via symbols
- Display of additive consumption
- Storage of up to 10 recipes



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