

Brabender Operating Panel Congrav® OP 5 - Touch for Brabender SCC Field Bus System

The Brabender touch screen operating panel Congrav® OP 5 - Touch serves for central operation of up to 16 Brabender weigh-feeders in the Brabender SCC (Single Cable Connection) Field Bus System, either equipped with built-in control and speed regulation modules of type ISC (Intelligent Signal Conditioner) and/or connected to control cabinet mounted Brabender single feeder controllers Congrav® CB.

The ISC modules and/or the Congrav® CB units are interconnected by a field bus, which is easily connected to the operating unit Congrav® OP 5 - Touch by just one single cable.

In combination with customers' PLC/host systems, the Congrav® OP 5 - Touch can also be used as a secondary local operating unit.

Operation is made easy by language-

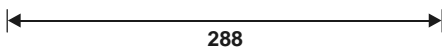
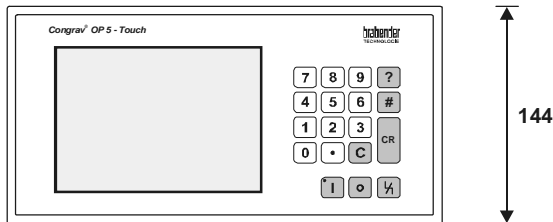
independent and self-explaining touch-sensitive input fields on a clearly arranged touch screen (6.5" colour display).

Based on the operating system Microsoft® Windows®, the display allows intuitive operation and observation of the feeding process. As a result, operator training time and the risk of faulty operation are substantially reduced. For application as a local operating panel in combination with a customer's PLC or host system on site, the unit is equipped with an Ethernet host interface (optionally Profibus DP).

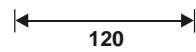
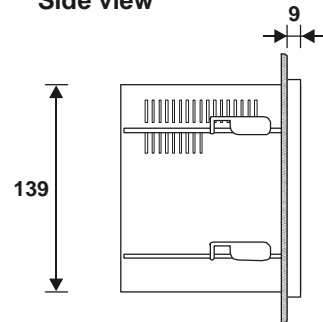
The unit conforms to CE directives and is distinguished by its high electromagnetic compatibility.



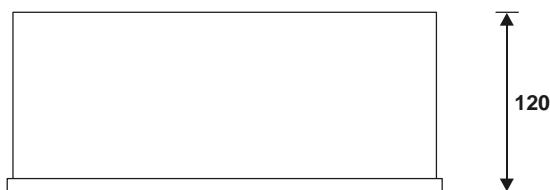
Front view



Side view

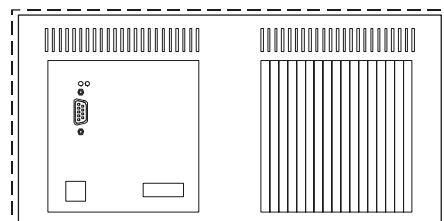


Top view

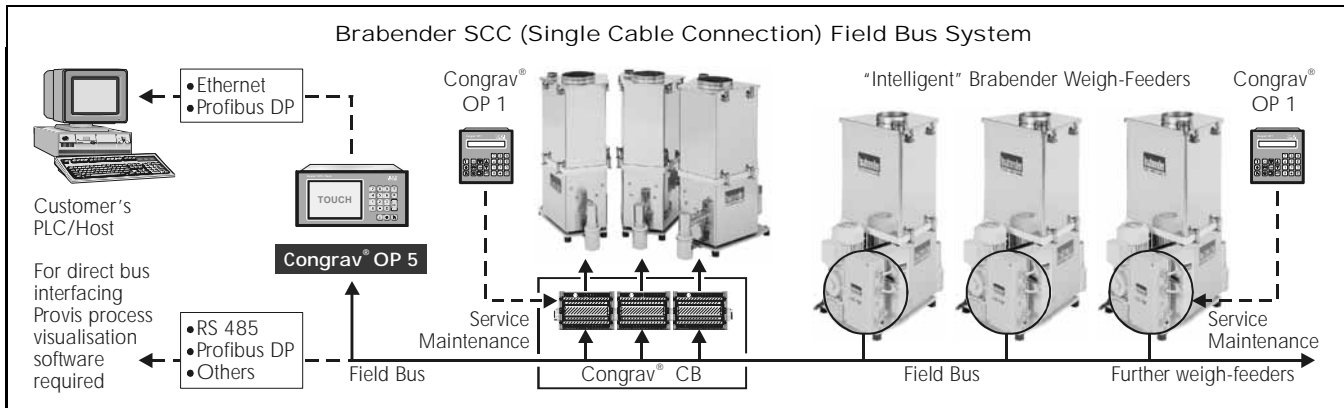


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Back view



Technical Data*



Applications

- Central touch screen operating panel for max. 16 Brabender weigh-feeders in the Brabender SCC Field Bus System ("intelligent" Brabender weigh-feeders with built-in electronic modules "Intelligent Signal Conditioner ISC" in field bus interconnection and/or Brabender weigh-feeders connected to control cabinet mounted single feeder controllers Congrav® CB, also in field bus interconnection), single cable connection system to the operating unit
- Local touch screen operating panel for max. 16 Brabender weigh-feeders in the Brabender SCC Field Bus System as a secondary operating unit subordinate to a customer's PLC/host

Design

- Ventilated housing for control cabinet mounting
- Mounting depth 165 mm with angular plugs
- Cabinet cutout 140 x 283 mm
- Enclosure protection IP 30, front IP 65
- Weight approx. 4.5 kg
- 6.5" backlit colour display (touch screen)

- Sealed industrial keypad with action point keys
- Supply voltage 24 VDC/25 VA
- Ambience 0-45°C, max. 85% air humidity without condensation

Interfaces

- 1 x RS 485 for single cable interfacing of max. 16 Brabender weigh-feeders in Brabender ISC field bus interconnection
- 1 x Ethernet interface for PLC/host (others see "Options")
- 1 x Brabender I/O Bus interface to connect extension modules (I/O modules, see "Options")

Noise Immunity

The unit complies with the following directives and harmonised specifications of the European Union:

- EN 55011 (emission class A, interference voltage AC, interference field)
- EN 61000-6-2 (interference immunity)
- EN 61000-4-2 (ESD)
- EN 61000-4-3 (radiation)
- EN 61000-4-4 (burst)
- EN 61000-4-5 (surge)
- EN 61000-4-6 (conducted immunity)

Options / Accessories

PLC/host interface alternatively Profibus DP

Extension modules (I/O modules) for top hat rail mounting (communications via Brabender I/O Bus):

- Digital module with 4 digital inputs (e. g. start, stop, alarm reset, etc.) and 4 digital outputs (e. g. run, alarm, etc.)
- Analog module with 2 analog inputs 0(2)-10 V (e. g. analog control signal) and 2 analog outputs 0(4)-20 mA (e. g. actual value)

Control boxes for Congrav® OP 5:

- Closed casing for ambient temperatures up to 35°C, enclosure protection IP 65, dimensions approx. 420 x 300 x 300 mm (w x h x d)
- Closed casing for ambient temperatures up to 45°C, enclosure protection IP 65 with active Peltier cooling system (ventilator in rear wall IP 54), dimensions approx. 430 x 290 x 280 mm (w x h x d)

brabender

TECHNOLOGIE

An ISO 9001/EN 29001 Certified Company

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