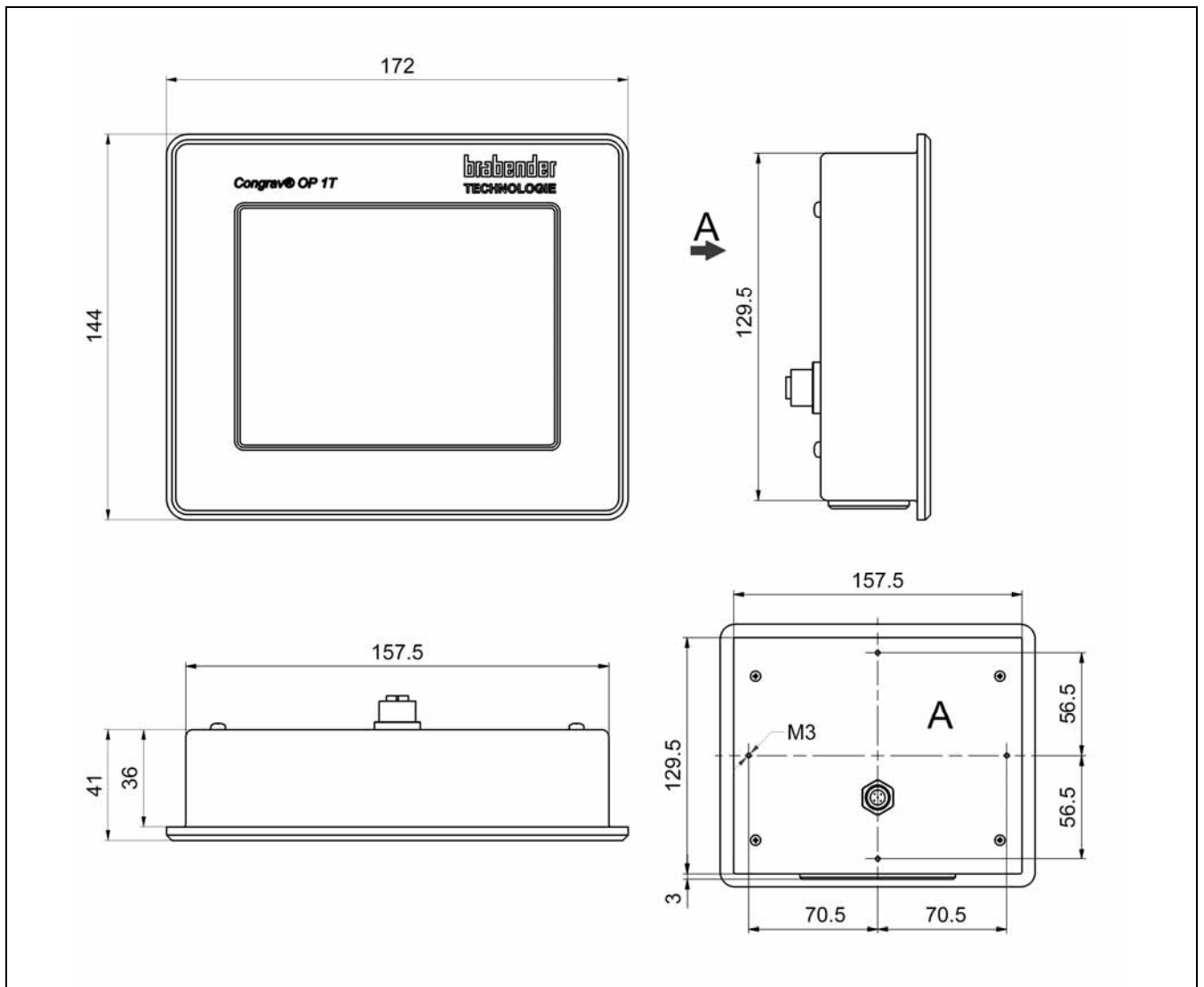
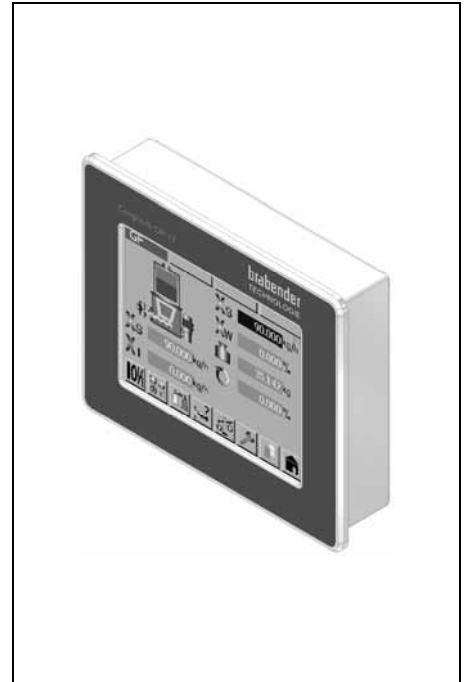


## Brabender Operating Panel Congrav® OP 1T for Single Gravimetric Feeders with ISC-CM plus

The Brabender touch screen operating panel Congrav® OP 1T is an operating and display unit for one individual gravimetric metering feeder (loss-in-weight feeder, weigh-belt feeder) equipped with an "intelligent" control module ISC-CM plus ("Intelligent Signal Conditioner") integrated in the weigh feeder together with the pertinent speed control module ISC-FC plus (see Works Standard "Brabender Feeder Control and Speed Control Modules ISC-CM plus/ISC-FC plus for Single Gravimetric Feeders"). The operating panel is connected to the control module by just one single cable, which also provides for the required 24 VDC power supply so that the panel does not need an extra mains connection. Beside, the panel can also be used

as a diagnostics and maintenance unit for local connection to individual weigh feeders with ISC-CM plus in multiple feeder control configurations. The Brabender operating panel Congrav® OP 1T has a neatly arranged graphic user display with a virtual keypad on a 5.7" color touch screen allowing extraordinarily easy operation due to language-independent and self-explaining touch input symbols. As a result, operator training time and the risk of faulty operation are reduced to a minimum. The appliance conforms to CE directives and is distinguished by its high electromagnetic compatibility complying with the relevant directives and harmonized standards of the European Union.



## Technical Data\*

### Application

- Touch screen operating and display panel for individual control of one single "intelligent" Brabender weigh feeder (loss-in-weight feeder, weigh-belt feeder, etc.) with feeder mounted control module ISC-CM plus (see Works Standard "Brabender Feeder Control and Speed Control Modules ISC-CM plus/ISC-FC plus for Single Gravimetric Feeders")



### Design

- Closed housing
- Mounting depth 100 mm with angular plugs
- Panel cutout 160 x 135 mm
- Weight approx. 0.8 kg
- Housing and front IP 65
- Front framing: aluminum
- Rear housing: stainless steel

- 5.7" color LCD touch screen display 144 x 105 mm (LED backlit)
- Resolution 320 x 240 (QVGA)
- Graphic user surface
- Virtual keypad on the display
- Power supply 24 VDC (supply by control module ISC-CM plus via the single cable connection, no separate power supply required)
- Ambient temperature 0-50°C (32-122°F), max. 85 % air humidity without condensation

### Interfaces

- RS 485 to control module ISC-CM plus, connection cable also returns 24 VDC power supply (max. length 300 m, lengths > 20 m necessitate a separate power supply unit 24 VDC, 300 mA)

### Noise Immunity

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

- EN 61000-4-2 (ESD immunity)
- EN 61000-4-3 (radiated RF immunity)
- EN 61000-4-4 (burst immunity)
- EN 61000-4-5 (surge immunity)
- EN 61000-4-6 (conducted RF immunity)
- CISPR 16 / EN 55011 class A (interference voltage)

### Selectable Programs

Operation of continuous feeders with ISC-CM plus control modules:

- Brabender loss-in-weight feeders
- Brabender weigh-belt feeders
- Brabender Coriolis mass flow scales with upstream variable speed metering feeders

### Additional Function

- Application as a diagnostics and maintenance unit for local connection to individual "intelligent" Brabender weigh feeders with control modules ISC-CM plus in multiple feeder control systems



Operating panel Congrav® OP 1T



Control module ISC-CM plus

**brabender**  
**TECHNOLOGIE**

An ISO 9001/EN 29001 Certified Company

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