

Congrav® OP-L



Operator Interface for up to 16 feeders with Congrav® CB-E, CM-E, and CB-S

General Information

The Congrav® OP-L is an operating interface optimized to connect to a [Congrav® CB-E](#), [Congrav® CB-S](#) or [Congrav® CM-E](#) controller via a serial bus link.

The [Congrav® OP-L](#) features an 18.5-inch color touchscreen for configuring, controlling, and monitoring operating parameters, as well as diagnostics and maintenance. It is compatible with all Kubota Brabender Technologie machines equipped with a Congrav® CB-E, CM-E, or CB-S control module.

The device is CE compliant and offers high electromagnetic compatibility (EMC).



Interfaces

Interfaces to Congrav® CM-E, CB-E or CB-S (RS 485)	max. cable length 300 m
Host-/SPS-Interface	Communication with the customer's system via Ethernet Modbus TCP

Technical Specification

Rated voltage	DC 24V (19,2 – 28,8V)
Residual ripple, spikes	< 200mVss; < 300mVss
Rated output	typ. 25W - 60W
Ambient temperature	0°C – 45°C
Storage Temperature	-10°C – 70°C
Humidity of the air	Up to 85% non-condensing. When installed in an enclosed housing, maintain ambient temperature limits and provide fan ventilation with at least 50 mm of clearance for air circulation.
Touch-screen LCD colour display	18,5" (411x231mm) HD TFT LCD with LED backlight
Touchscreen Type	Capacitive (multi-touch)
Resolution	1366 x 768 (WXGA)
Angle of view	170°/160° (H/V)
Mounting depth	70mm (+ 50mm Clearance for air circulation)
Panel cutout	480 x 301mm
Panel mount	only vertical
Weight	ca. 6,4 kg (
Enclosure rating - Front	IP66 (ca. NEMA 4)
Enclosure rating - Housing	IP20 (ca. NEMA 1)
Type of menu	Symbol-based menu with virtual keys



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Electromagnetic compatibility (EMC)

Requirement	Standard
Interference immunity	
ESD	EN 61000-4-2:2009
HF radiation	EN IEC 61000-4-3:2020
Burst	EN 61000-4-4:2012
Surge	EN 61000-4-5:2014 + A1:2017
HF Inflow	EN 61000-4-6:2014+AC:2015
H-field irradiation	EN 61000-4-8:2010
Emission	
Interference voltage	EN 55011:2016+A2:2021 Class A
HF field radiation	EN 55011:2016+A2:2021 Class A

Additional Information

- [Dimension template](#) (for installation in control cabinet)

