

Control unit

Type: DIGITAL2

APPLICATION

The Digital2 represents the next generation of our reliable electronic Digital+. It has an even better metal sensitivity combined with an extended feature set. The

colour TFT touch display allows an intuitive operation of the device. The control unit can be used for free-fall sensors and conveyor belt devices.



EQUIPMENT & SPECIFIC CHARACTERISTICS

Remote maintenance & logging

The integrated web server makes it possible to access the device remotely via network. By connecting to the software package Pulsotronic UniControl the generated data can be archived for further evaluation and reporting.

Product memory & product effect compensation

The electronic can capture and compensate product effects. The data of ten products can be stored in the device.

User-friendly

The touch display eliminates complicated menus completely. System settings are code protected, changes are usually not required.

CHARACTERISTICS

- modern receiver technology – maintenance-free operation
- self-diagnostics
- colour touch display – easy handling
- product effect compensation – storing of ten products
- Ethernet Interface – remote maintenance
- in- and outputs for sensors and external peripherals
- completely pluggable connection terminals
- low energy consumption
- housing versions for normal (metal powder-coated, IP54) and harsh environmental conditions (stainless steel, IP65)

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TECHNICAL DATA

Mechanical Data	
Dimensions IP54	W x H x D: 200 x 200 x 80 mm
Dimensions IP65	W x H x D: 200 x 300 x 80 mm
Weight	3 kg
Handling	
Display	3,5" TFT colour display, QVGA, Touch
Application Conditions	
Storage temperature	-10°C – 60°C
Operating temperature	0°C – 50°C
Protection class	IP 65 / IP 54
Supply voltage	85 - 264 VAC; 50/60 Hz
Power consumptions	typ. 5 W; max. 40W
Electrical connection	3 m cable; L1,N,PE; 1,5 mm ²
Sensitivities	(see sensor or device)
Interfaces	
Sensor - transmitter	50 Ohm; overload- & short-circuit proof (78 .. 700 kHz)
Sensor - receiver	HDC-IQ - digital receiver (16-Bit) with sensor regulation and monitoring
Digital inputs	2 pieces; optical isolated; $V_{IL} = -5 .. 1,5 \text{ V}$; $V_{IH} = 6 .. 50 \text{ V}$ function adjustable
Digital outputs	4 pieces.; PNP-open-collector; max. 1.000 mA; overload- & short-circuit proof function adjustable
Serial interface	1x (functionality on request)
Voltage output	24 VDC; stabilized, overload- & short-circuit proof; max. 20 W for external peripherals (for variants with cooling 10 W)