



DIGITAL2 / METAL SEPARATOR CONTROLLER

PRINCIPLE OF OPERATION

THE DIGITAL2 REPRESENTS THE NEXT GENERATION OF OUR RELIABLE ELECTRONIC DIGITAL+ CONTROLLER. IT HAS AN EVEN BETTER METAL SENSITIVITY COMBINED WITH AN EXTENDED FEATURE SET. THE COLOR TOUCH SCREEN DISPLAY ALLOWS AN INTUITIVE OPERATION OF THE DEVICE. THE TOUCH SCREEN DISPLAY ELIMINATES COMPLICATED MENUS COMPLETELY. SYSTEM SETTINGS ARE CODE PROTECTED, CHANGES ARE USUALLY NOT REQUIRED. THE CONTROL UNIT CAN BE USED FOR FREE-FALL SENSORS AND CONVEYOR BELT DEVICES. THE DIGITAL2 CAN CAPTURE AND COMPENSATE PRODUCT EFFECTS. THE DATA OF SIX PRODUCTS CAN BE STORED IN THE DEVICE.



FEATURES

- MODERN RECEIVER TECHNOLOGY
- MAINTENANCE FREE OPERATION
- COLOR TOUCH SCREEN / GRAPHICAL DISPLAY
- PRODUCT EFFECT COMPENSATION
- SIX PRODUCT MEMORY SPACES
- LOW ENERGY CONSUMPTION
- SUPPORT FOR PERIPHERALS
- SELF DIAGNOSTICS
- IP54 & IP65 HOUSING VERSIONS



IF ALL METALS WERE MAGNETIC, FINDING THEM IN YOUR PRODUCT AND REMOVING THEM WOULD BE A BREEZE. UNFORTUNATELY THERE ARE A NUMBER OF METALS THAT CONTAIN LITTLE OR NO IRON OR MAGNETIC PROPERTIES THAT CAN CONTAMINATE PRODUCT. THUS MAKING DETECTION A MUCH MORE COMPLEX PROCESS. RID YOUR PRODUCTS OF THESE CONTAMINANTS WITH METAL DETECTION AND SEPARATION SYSTEMS FROM FOREMOST.





MACHINE BUILDERS, INC.

DIGITAL2 / 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 & KEYBOARD	3,5" TFT COLOR DISPLAY, QVGA, TOUCH
CONDITIONS OF USE	
STORAGE TEMPERATURE	-10°C... 60°C
OPERATING TEMPERATURE	0°C... 50°C
PROTECTION CLASS	IP-65 / IP54
SUPPLY VOLTAGE	85 - 264 VAC; 50/60 HZ
POWER CONSUMPTION	TYP. 5 W; MAX. 40 W
ELECTRICAL CONNECTION	3 M CABLE; L1,N,PE; 1,5 MM ²
SENSITIVITY	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 MONITORING
DIGITAL INPUTS	2 INPUTS. OPTICAL ISOLATED; VIL = -5 .. 1,5V; VIH = 6 .. 50V (FUNCTION ADJUSTABLE)
DIGITAL OUTPUTS	4 OUTPUTS.; 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

Foremost Machine Builders, Inc.

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