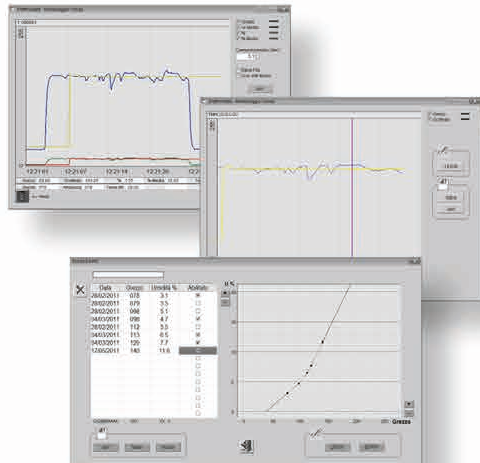
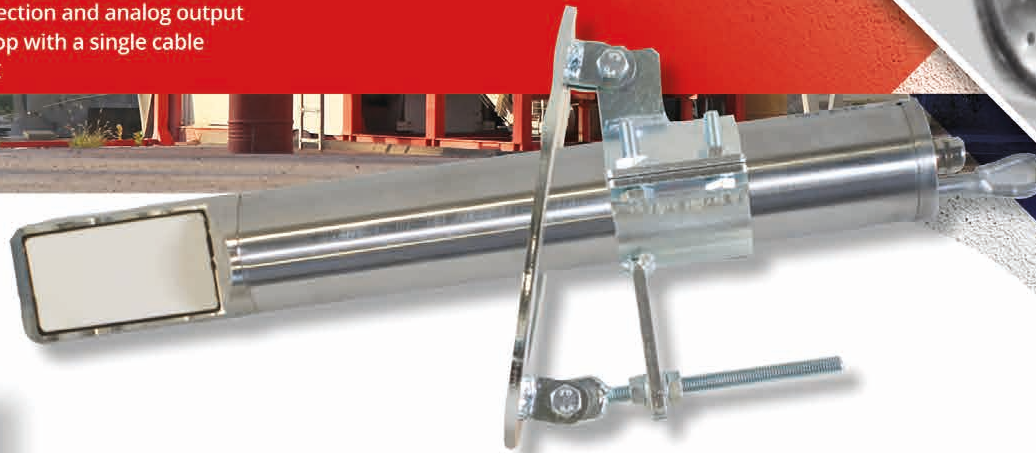
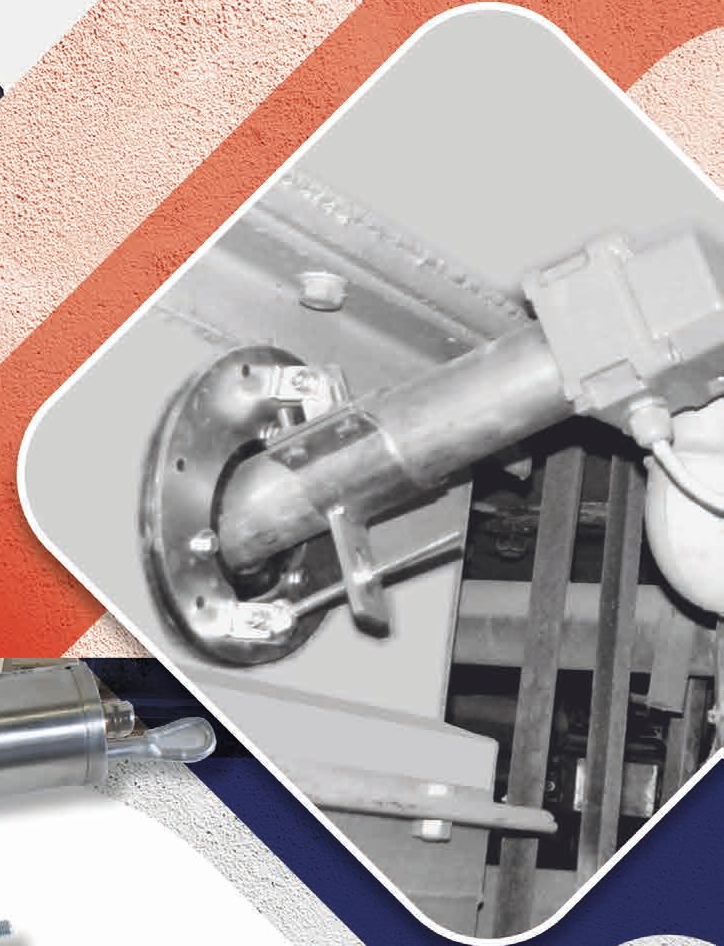


eD460

MICROWAVE TECHNOLOGY PROBE FOR THE DETECTION OF THE AMOUNT OF WATER CARRIED BY PROCESS MATERIALS

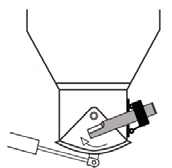
- ◆ Essential tool to ensure accurate water/cement ratio in the concrete production process
- ◆ Dynamic measurement (on flowing or stationary material)
- ◆ Temperature compensated measurement
- ◆ Repeatability without recalibration
- ◆ Can be installed in new or existing plants
- ◆ Simple software assisted calibration procedure
- ◆ Designed for operation in harsh environments
- ◆ USB, Ethernet, Serial (RS485, RS232) data connection and analog output
- ◆ Up to 16 probes can be connected on multi-drop with a single cable
- ◆ Direct configuration and interface to PLC or PC





MICROWAVE TECHNOLOGY PROBE FOR THE DETECTION OF THE AMOUNT OF WATER CARRIED BY PROCESS MATERIALS

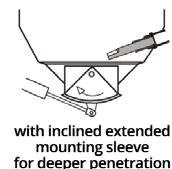
TYPICAL INSTALLATIONS



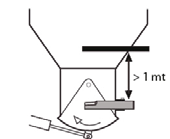
Mounting with inclined flange accessory



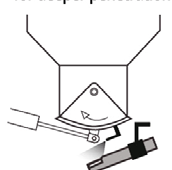
with 30 degrees inclined mounting sleeve, welded to the bin wall



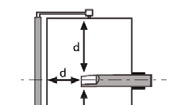
with inclined extended mounting sleeve for deeper penetration



if the probe must be mounted horizontally and perpendicular to the material's weight, install a metallic shield for probe protection and pressure relief



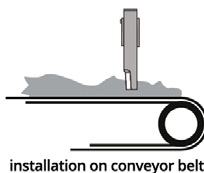
the probe can be mounted under the bin's extraction gate (the picture shows also the optional compressed air blower nozzle, to ensure automatic cleaning of the probe sensing face)



minimum clearance from steel parts: $d > 150$ mm

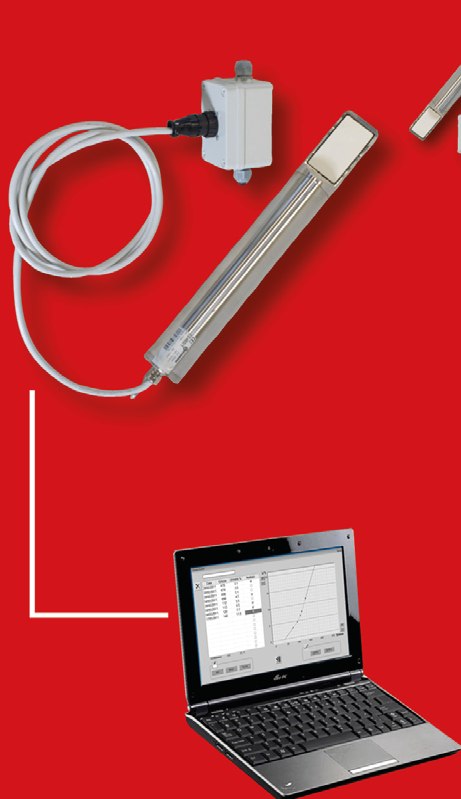


correct inclination of the probe's sensing plate with regard to the material's flow

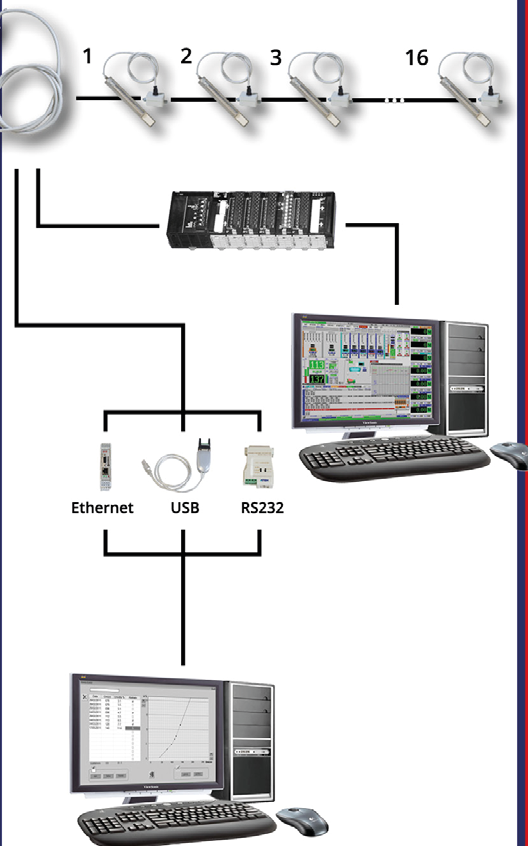


installation on conveyor belt

ON-SITE CALIBRATION



TYPICAL CONNECTIONS



ACCESSORIES



mounting sleeve for welding



mounting sleeve extension



Inclined adjustable flange



blower nozzle for sensing face cleaning



Ethernet adapter



Ethernet adapter



RS232 Adapter



Connection Box

TECHNICAL CHARACTERISTICS

Stainless steel body
IP 67 protection
Weight 5.5 lb. / 2.5 Kg
Dimensions L = 17 1/8" / 435 mm - Ø = 2 3/8" / 60 mm
Measurement waves penetration 2 3/4" / 70 mm - 3 15/16" / 100 mm

Measurement range from 0% to the material's saturation (approx 15%)
Operating temperature 32 °F / 0 °C - 150 °F / 65 °C
Readable material's temperature range 40 °F / 5 °C - 160 °F / 70 °C
Programming and operation via PC/PLC
Digital input for averaging start/stop

RS232 serial output for distances < 50' / 15 m or RS485 for cable length above 50' / 15 m to 3300' / 1000 m
Analog output 0-10 Vdc
25 measurements per second
Power Supply +15 - 30 Vdc - 3W

DISTRIBUTOR



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