

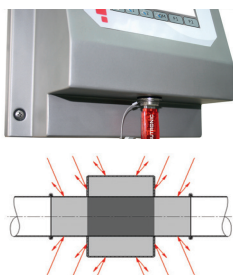
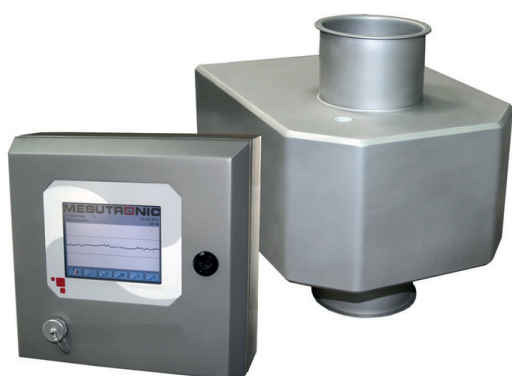


# meTRON 07 powerLine

## METAL DETECTION

**HIGH-SENSIVITY METAL DETECTOR FOR THE EXAMINATION OF FREE-FLOWING BULK MATERIALS IN PNEUMATIC CONVEYING PIPES AND IN FREE FALL.**

**Reliable** *in Process and Detection*  
**Durable** *in Technology and Performance*  
**Easy** *in Installation and Handling*

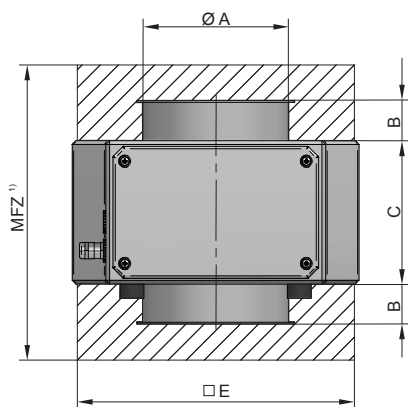


- Hygienic Design without dead spots
- PowerLine concept for absolute noise immunity
- Totally shielded against external noise
- Process and condition monitoring
- No sensing tube, no static discharges
- Sensor head fully sealed
- Network connectivity and data management
- Password protected user management
- Tubing, hoppers or connecting flanges made from metal can be directly connected to the Detector coil (for example with a quick connect clamp). Metal-free zone is not required in this case.
- Compliant with quality surveillance rules according to HACCP, IFS, BRC, SQF.

### Applications

Quality inspection  
(to meet the requirement of ISO 9000, HACCP, IFS, BRC, SQF)  
Machinery protection

### Metal Free Zone (MTZ)



#### Calculating the 'metal free zone' DN 50 - DN 200

**For Non-moving Metals**  
MFZ = 2 x B + C + 50mm

#### Calculating the 'metal free zone' DN 250 - DN 300

**For Non-moving Metals**  
MFZ = 2 x B + C + 100mm

Position the detector in the middle of the 'metal free zone'  
For the other dimensions: position the detector symmetrical in relation to