



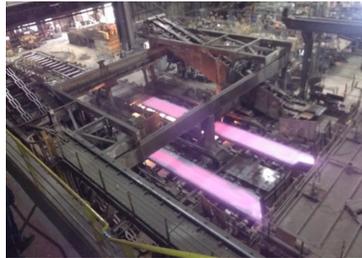
DIMETIX
LASER DISTANCE SENSORS

Dimetix D-series laser distance sensors are the ideal choice in the metals industry for size, position and process monitoring applications. Dimetix D-series laser distance sensors are suitable for a variety of applications commonly found in steel production, foundries, and metals processing facilities.



ROLL DIAMETER

Processing applications, such as slitting and cut to length



SLAB WIDTH

Width measurement of cold, hot and cooling slabs with a pair of laser sensor assemblies in differential mode



LEVEL CONTROL

Level control measuring opaque surfaces in applications, such as galvanizing baths and molten materials such as molten aluminum



CUT-TO-LENGTH

Length measurement prior cutting with laser zeroed on a saw blade as a reference



PIPE DIAMETER

ID/OD of tubular products in foundries and weld shops



TRANSFER CAR POSITION

Relative position of transfer cars and conveyors handling steel plate in mills; replaces traditional contact switches



LOOP CONTROL

Laser sensors can measure the depth of the loop from a far distance to maintain optimal loop/tension control

CHARACTERISTICS

Dimetix D-series Laser Distance Sensors

Dimetix D-series laser distance sensors from Laser-View Technologies provide the best position sensors because they possess the following key characteristics:

MEASURING RANGE

- ⊕ Choose between 1 mm or 3 mm absolute accuracy over 500 m with our target material; 0.1 mm resolutions
- ⊕ 100 m to natural targets (no special reflector needed!)
- ⊕ Measure as close as 2"

VARIETY OF OUTPUTS

- ⊕ Built in std: RS232, RS485/422, SSI encoder, analog, digital I/O
- ⊕ Optional Ethernet to the sensor (Ethernet IP, Profinet, EtherCAT)
- ⊕ Small, rugged package
- ⊕ IP65 rating
- ⊕ Shock and vibration certified
- ⊕ -40° to +60°C operating temperature range
- ⊕ Small spot size: approx 0.15" spot size close to laser; grows to only about 2" size at 100 m (much smaller than competitors)! This means that you shoot the laser under pallets without a problem.
- ⊕ Competitive costs
- ⊕ Swiss precision and quality, backed by USA know how and familiarity with your industry, technical support, value added accessories, and inventory



Accessories

Laser-View Technologies stocks the complete line of Dimetix laser distance sensors and also provides a variety of accessories to provide a turnkey solution under harsh industrial conditions:



Sealed wash-down and chemical resistant enclosure



Ex-proof enclosure



Cooling housing



Laser Process Meter