# MODULOC® Control Systems

## TECHNICAL BULLETIN NO. MD7100-0100-001

## MD7100 REMOTE HOT METAL DETECTOR LAYOUT - SPOT LENS

A complete MD7100 Remote Hot Metal Detector (HMD) consists of a Plug-In Electronic Control Module with plug-in base, an Interconnection Cable Assembly, an Electronic Transmitter Spot Lens, a Lens Holder and an optional Mounting Bracket or Mounting Stand.

The MD7100 Plug-in Electronic Control Module with plug-in base is mounted in a safe accessible area.

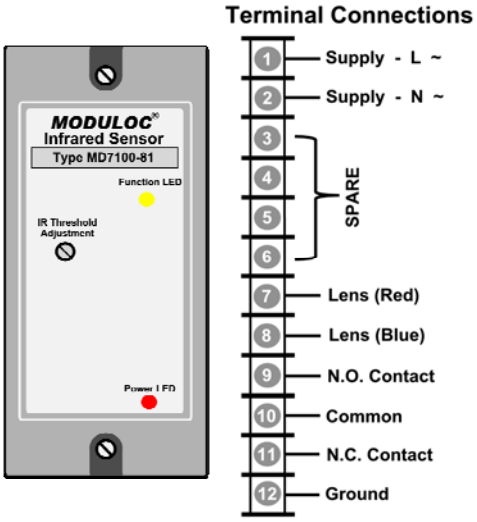
Electronic Transmitter Spot lenses are mounted close to hot product or hot metal. They are impervious to water and built to withstand harsh mill environments. Used in conjunction with 2-conductor shielded Interconnection Cable Assemblies, theses lenses provide a high level of accuracy by allowing the selection of the ideal lens arrangement for the installation.

The robust Electronic Transmitter Spot Lenses with temperature rating of 55° are available in 1°, 2°, 4°, 7° F.O.V.

The Interconnection Cable Assemblies are available in lengths of 10, 20, 30, 40 & 50 meters. And are provided with a plug/socket to attach to the Electronic Transmitter Spot Lenses. The Interconnection cable can be extended to longer lengths in the field, the maximum overall from the Lens to the Electronic Control Module is 300 m (985 feet).

Various robust Lens Holders are available including air purged, air purged & air cooled, and air purged & water cooled. An optional Mounting Bracket or Mounting Stand is also available.

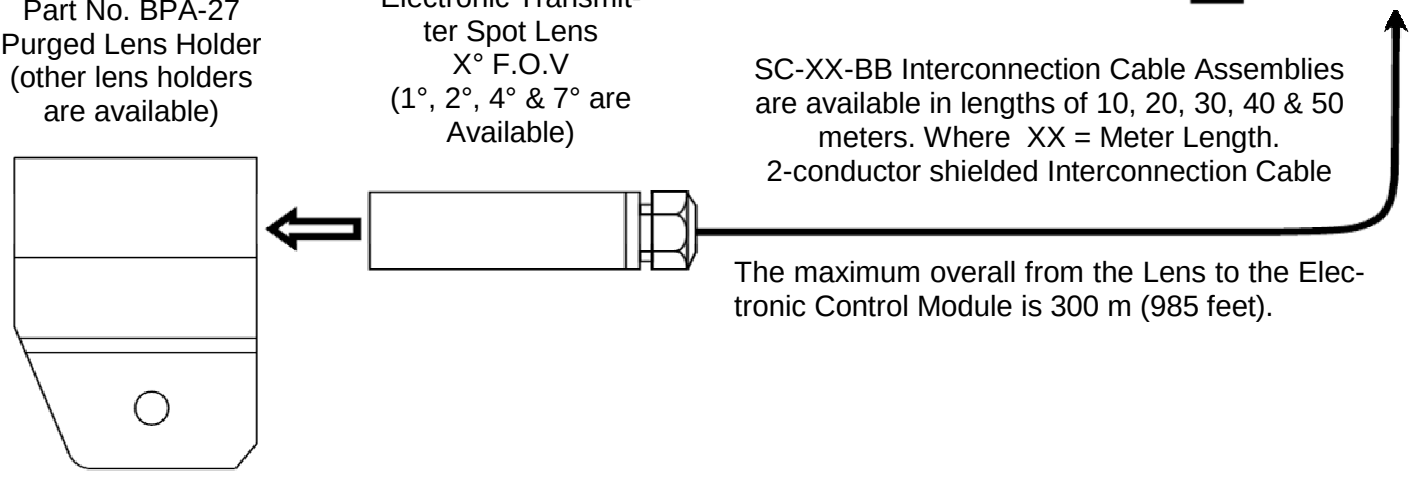
MD7100
"All-In-One"
Hot Metal Detector
Remote Controller




Part No. BPA-27
Purged Lens Holder
(other lens holders are available)

Electronic Transmitter Spot Lens
X° F.O.V
(1°, 2°, 4° & 7° are Available)

SC-XX-BB Interconnection Cable Assemblies are available in lengths of 10, 20, 30, 40 & 50 meters. Where XX = Meter Length.
2-conductor shielded Interconnection Cable



The maximum overall from the Lens to the Electronic Control Module is 300 m (985 feet).

**MODULOC® Technology - The Total Sensor Solution**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