

MKE-5-IS SCALE SYSTEM SCHEMATIC – CONFIGURATION #5

Explosion Proof, Intrinsically Safe ArlynGuard Platform connected to Amplifier Board (0-5V or 4-20mA) .



Zener Safety Barrier
P/N: ARL-BR-IS-LC



Analog Output 4-20mA
Amplifier Box



24VDC Input

4-20mA Output
(COMMON).

See 4-20 Loop Powered Wiring Diagram

*Also available Line Powered
(3-wire) 0-5V Output

SAFE AREA

HAZARDOUS AREA

Display not required in Hazardous
(Classified) Location

Intrinsically Safe Platform
(Regular Strain Gage Only)

Summary
Intrinsically Safe Platform
connected to Safe Area amplifier
board through intrinsically safe
zener Safety Barrier.

NOTES:

- 1) Analog Output Amplifier box is a SAFE AREA component only. Wiring diagram from the box can be found here: <https://www.arlynscales.com/620g-4-20ma-2wire/>
- 2) Intrinsically Safe Zener Safety Barrier must be installed according to Installation and Wiring Diagrams.
- 3) No display required in this configuration. For display, see other configurations.