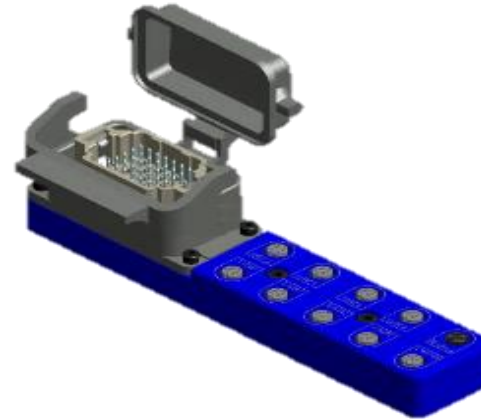


Why Consider IA instead of LVDT?

- i. Faster, easier installation: Signal Conditioners not required, allowing faster wiring and reduced panel space. Similar pricing per point as LVDT.
- ii. Can be wired directly to analog field blocks or Balluff I/O Link field blocks (with the use of a Balluff Signal Converter.)
- iii. Less expensive weld pins: Weld pins and cores are easier for us to machine and assemble. (Does not apply to Clamp Mount or SoftMount Guns, as these use threaded weld pins.)
- iv. Calibration never required. Coils are pre-set by our supplier.
- v. Nearly all current weld body styles are available, and are a direct bolt in replacement for LVDT weld bodies. (SXZR is not currently available)

Converting LVDT to IA, Controls Solutions

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Platinum member

VeriFast IAdapt Module

The VeriFast IAdapt Module is designed to *replace* the Signal Conditioner when converting existing machinery from LVDT to IA weld bodies. The IAdapt module provides pass through connections, eliminating the need to re-wire the control panel. The IAdapt is only necessary when converting from LVDT to IA and the customer does not wish to re-wire.

Simply unplug the 4, coloured, Signal Conditioner terminals, remove the Signal Conditioner, install the IAdapt module, re-install the 4 terminals and you are finished. Reusing the existing terminals saves time and prevents wiring mistakes when converting.



IAdapt Module
617-07160

FlexFast

Three options exist for converting a FlexFast from LVDT to IA: (Plus changing the weld bodies)

- a) **Replace** the Signal Conditioners with IAdapt modules. (617-07160) This allows the wiring to remain the same. This only works if ALL LVDT's on the FlexFast are being replaced.
- b) **Replace** the QBridge FF with a QBridge Analog. This also requires changing the cable from the QBridge to the machine and re-wiring the panel end. This prevents the fixture from being confused with an LVDT fixture, (if used in multiple machines.) This only works if ALL LVDT's on the FlexFast are being replaced.
- c) **Add** a QBridge Analog (614-61573) block and wire in a separate cable. This allows the use of both the LVDT fixtures with one Harding connector, and the IA fixtures with a different Harding connector.



IAdapt Module
617-07160



QBridge Analog
614-61573

User Installed

Two options exist for converting a User Installed LVDT to IA: (Plus changing the weld bodies)

- a) **Replace** the Signal Conditioners with IAdapt modules. (617-07160) This allows the wiring to remain the same.
- b) **Replace** or re-do the wiring. LVDT's are wired to the Signal Conditioner and the analog signal leaves the signal conditioner and goes to the analog card. The IA signal goes directly to the card, and sometimes the original wires will not reach. Up to the user how to address this.



IAdapt Module
617-07160

NetLink

Two options exist for converting an LVDT to IA when using NetLink: (Plus changing the weld bodies)

- a) **Replace** the Signal Conditioners with IAdapt modules. (617-07160) This allows the wiring to remain the same.
- b) **Rewire** the IA body directly to the field block. Two options also exist for this.
 - i. Use an analog input on a field block. A cross over cable may be necessary. (617-02129) This is dependent on the type of field block used
 - ii. Use I/O Link on a Balluff field block. This requires using a Balluff I/O Link Interface (614-51718) and a cross over cable. (617-02129)



IAdapt Module
617-07160



MicroView

If using MicroView, replacement is the only option for converting from LVDT to IA.
(Plus changing the weld bodies)

There are 6 versions of MicroView that are compatible with IA. See chart below.
When replacing the MicroView, all wiring can remain.



LVDT Version		Equivalent IA Version	
Smart Number	3 x 5 Part Number	Smart Number	3 x 5 Part Number
VFMV-V1-A-A	420-70823	VFMV-V1-D-D	420-77699
VFMV-V1-A-B	420-70824	VFMV-V1-D-B	420-77700
VFMV-V1-A-C	420-70825	VFMV-V1-D-C	420-77702
VFMV-V1-D-S*	420-72321	VFMV-V2-D-B	420-77704
VFMV-V2-A-A	420-73061	VFMV-V2-D-D	420-77703
VFMV-V2-A-B	420-73062	VFMV-V2-D-B	420-77704
VFMV-V2-A-C	420-73063	VFMV-V2-D-C	420-77705

V1 = Hard wired

V2 = Connectorized

A = LVDT

B = LPT

C = Analog

D = IA

* GM specific version



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