

NEW

Compact Precision

Weidmüller's ACT20P Bridge Isolated Strain Gauge Converter.

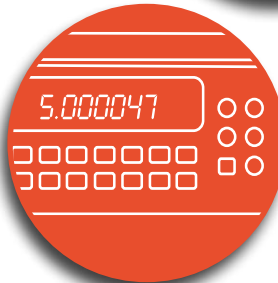
Exact Measurement

- 4 or 6-wire sensor connection method and very high accuracy (0.05%) for precise signal processing



Conversion/Isolation

- Converts strain gauge input to standardized isolated analog output



On-Site Calibration

- Push buttons provide for simple and reliable on-site adjustment of different load cells



Protection Against Transients

- 5.7kV isolation between input, output and power supply secures PLC input



Tare Compensation

- Simple compensation of the empty (tare) weight or zero offset, manually via push button on front panel or external connection via PLC output




Global Approvals



Weidmüller 

Competitive Position

Company	Product	Operating Temperature Range	Power Supply	Housing Width	mA output Test Point	Auto Tare Function	Number of Strain Gages	Bridge Excitation Voltage	Accuracy	Approvals
Weidmüller 	ACT20P-Bridge-S	-40°C ...+70°C	10 - 60 VDC	22.5 mm	Yes	Yes	4	5V or 10V @ 120mA max	± 0.05% of span	cULus, CE
Acromag	851T-0500	-25°C ...+70°C	12-36 VDC	26mm	No	Yes	4	4 - 11V @ 120mA max.	≤ ± 0.1% of span	UL, cUL, CE
Action Instruments	WV448	0°C ...+60°C	9-30 VDC	17.5mm	No	No	4	1 - 10V @ 120mA max.	0.065% of full scale	cUL, CE
Wilkerson Instrument	DM4051	-10°C ...+60°C	115VAC / 230VAC	25.9mm	No	No	1	10V @ 35mA max.	± 0.1% of span	UR, cUR

Availability

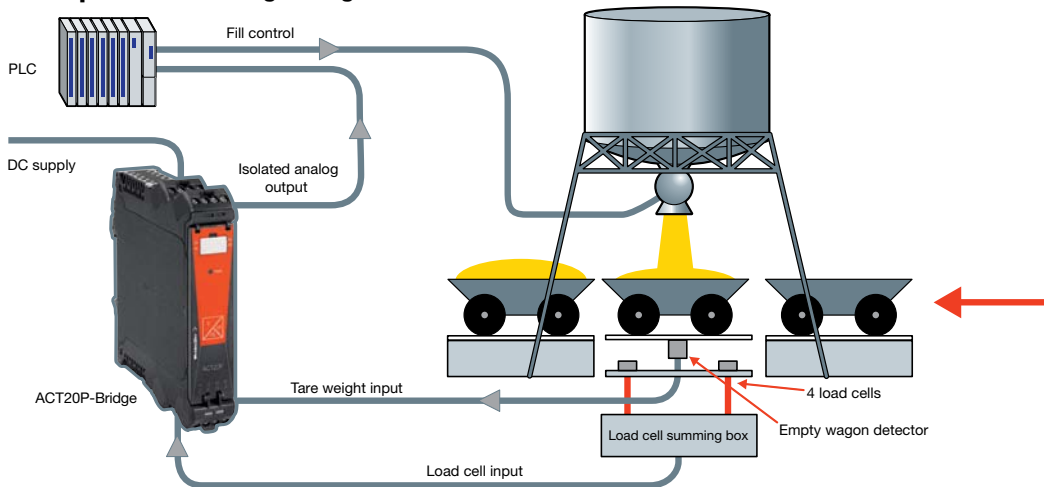
Type	Termination	Part Number
ACT20P-Bridge-S	Screw	1067250000

Applications

Strain gauges are used for a variety of measurements such as weight, force, tension, pressure and torque.

Applications are found in tank and silo level and volume control, weighing and conveying materials, engine dynamometer testing and monitoring, packing and bagging of powders and granular materials.

Example—Measuring Weight



Information

Information is available for download on the web at www.weidmuller.com. Printed catalog versions are also available and can be ordered online.

Sales Tool	Description
1203510000	Catalog 4.1, Analog Signal Conditioning

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