

Advance Range AO805(X) Amplifier



Shared Features

- ✓ Universal digital amplifier which handles all conventional load cells.
- ✓ Mini USB port located on the front for programming.
- ✓ DIN Rail Mount.
- ✓ Modbus RTU/RS485.
- ✓ Each unit has 1x 0-10v (2x for TLR), 1x +/-0-10v and 1x 4-20mA analogue outputs.
- ✓ Engineering units Kg, Lbs, N and %.
- ✓ Compact design 105H x 22.5W x 119D (mm)

Individual Features	AO8050	AO8051	AO8052
Mini USB-port for programming	X	X	X
Modbus RTU/RS485	X	X	X
Total-Left-Right (TLR) load measurement		X	X
Modbus TCP/IP Ethernet			X

AO805(X) Technical Data

Supply

Power Supply Voltage 24VDC +/- 15%

Inputs

Measuring range +/-39mV to +/-4.96V
 Number of load cells Semiconductor 4x 120 Ohms (Half Bridge)
 Number of load cells Strain Gauge 4x 350 Ohms (Full Bridge)
 Load cell sensitivity +/-1mV/V to +/-100mV/V
 Conversion per second 1.000/s
 Response time 1ms

Outputs

Analogue Outputs 1x 0-10v (2x 0-10V on TLR Models), 1x +/- 0-10v, 1x 4-20mA

Supply Voltage Outputs

Tension Transducers 5VDC

Temperature

Operating Range -20°...+60°C

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