

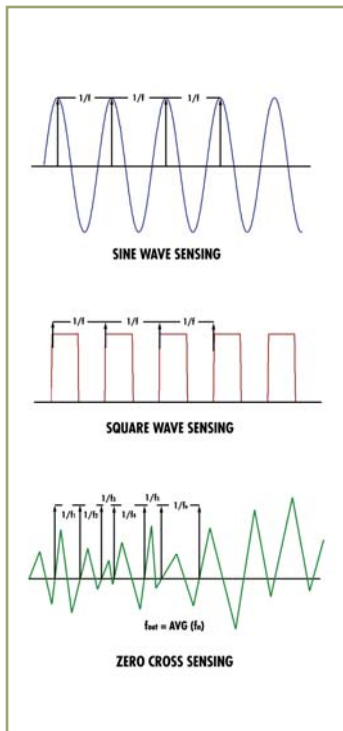
The **CR6600** Series, Frequency Transducers and Transmitters are designed to give a DC output that is proportional to an input frequency value. These devices are especially suited to variable frequency systems.



CR6610
CR6611
CR6612

CR6620
CR6621
CR6622

40 - 5000 Hz Input Range



Applications

- Outputs isolated from inputs
- Ranges available for any application
- Sine, square and zero crossover waveforms
- 35 DIN rail or panel mount
- Connection diagram printed on case

Features

- 35mm DIN Rail or Panel Mount
- Available with 0 - 5 VDC, 0 - 10, or 4 - 20 mADC output
- 24 VDC powered
- Use with external current transformers
- Highest precision available
- Connection diagram printed on case

Regulatory Agencies

- Constructed to meet UL 61010B-1
- Constructed to meet CAN/CSA-C22.2, No. 61010-1-2004
- Meets requirement of IEC 61010-1 and BS EN 61010-1



Custom calibrations of unique full scale and zero scale values including parametric measurements are available. Contact factory for details.

Add suffix for input range

PART NUMBERS			
CR6610	-		Sine wave sensing with 0 - 5 VDC Output
CR6611	-		Square wave sensing with 0 - 5 VDC Output
CR6612	-		Zero crossover sensing with 0 - 5 VDC Output
CR6620	-		Sine wave sensing with 4 - 20 mADC Output
CR6621	-		Square wave sensing with 4 - 20 mADC Output
CR6622	-		Zero crossover sensing with 4 - 20 mADC Output

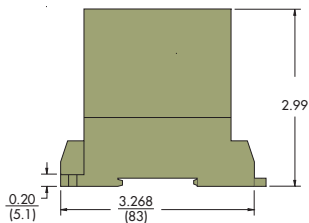
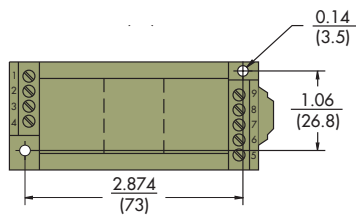
- 100** - 0-100 Hz
 - 500** - 0-500 Hz
 - 5000** - 0-5000 Hz
- other ranges available

Frequency Transducer

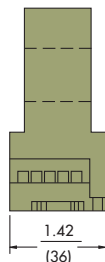
DIN RAIL / PANEL MOUNT

SPECIFICATIONS

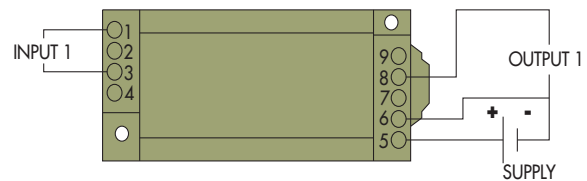
Basic Accuracy:.....	0.5%	Output Load:.....	4-20 mADC -0 to 300 Ω
Linearity:.....	10% to 100% FS		0-5 VDC - 2K Ω or Greater
Thermal Drift:.....	500 PPM/°C	Cleaning:.....	Water-dampened cloth
Operating Temperature:.....	0°C to +60°C	Relative Humidity:.....	80% for temperatures up to 31°C and decreasing linearly to 50% at 40°C
Installation Category:.....	CAT II	Input Voltage:.....	20 to 250 V Peak, (other voltage ranges available)
Vibration Tested To:.....	IEC 60068-2-6,1995	Supply Current:	
Pollution Degree:.....	2	CR6610:.....	Typical 30mA Max 40mA
Response Time:	250 ms max. 0-90% FS	CR6620:.....	Typical 50mA Max 95mA
Supply Voltage:.....	12 to 24 VDC	Torque Specs:.....	3.0 inch lbs. (0.4Nm)
MTBF:.....	Greater than 100 K hours	Weight:.....	0.5 lbs.
Frequency Range:.....	0 Hz - 2kHz, sine wave		
Insulation Voltage:.....	2500 VDC		
Altitude:.....	2000 meter max.		



Dimensions for All CR6600 Series (shown)



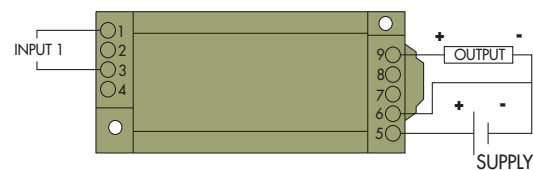
OUTLINE DRAWING



CR6610 0 - 5 VDC Output

CR6611 0 - 5 VDC Output

CR6612 0 - 5 VDC Output



CR6620 4 - 20 mADC Output

CR6621 4 - 20 mADC Output

CR6622 4 - 20 mADC Output

CONNECTION DIAGRAM

NOTE: The building installation must have a switch or circuit-breaker that is in close proximity and within easy reach of the operator. The switch or circuit breaker shall be marked as the disconnecting device for the equipment.