

## TRANSMITTER TECHNICAL REFERENCE

### SPECIFICATIONS

**Wetted Parts:** Body: 316 SS for ranges under 400 psi, high pressure ranges 17-4PH SS diaphragm and 300 series SS pressure chamber. For TE model: 316 SS for ranges up through 0 psi to 300 psi, 316 SS with Elgiloy ranges 0 psig to 500 psig and higher

**Repeatability:** 0.05% of scale (model TM, 0.2%)

**Hysteresis:** 0.1% full-scale

**Stability:** 0.2% full-scale (model TM, 0.5%)

**Burst Pressure:** 4 x range

**Response Time:** <1 ms (between 10-90% of scale),  
Model TM: <5ms

**Operating Life:** 100 million cycles

**Electromagnetic Rating:** CE compliant to EMC norm, EN61326:1997/A1:1998, RFI, EMI and ESD protection

**Electrical Protection:** Reverse Polarity, over voltage, and short circuit protection

**Shock:** Less than ± 0.05% full-scale effect for 1,000 g's @ 2ms on any axis (model TM: 600 g's)

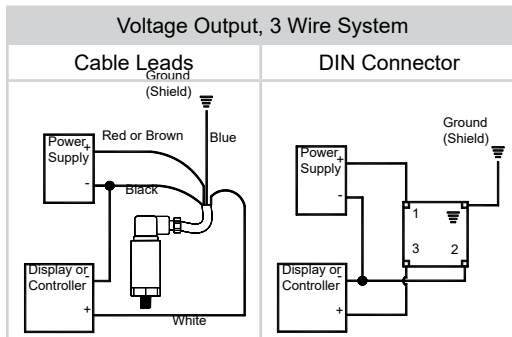
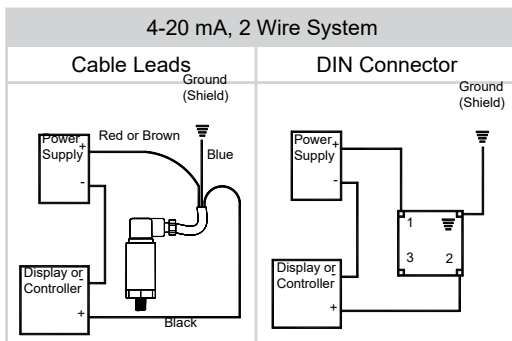
**Vibration:** Less than ± 0.01% full scale effect for 15 g's @ 0-2,000 Hz on any axis (model TG: less than 0.05% full scale effect for 20 g's @ 5-2,000 Hz on any axis.)

**Temperature Range for Storage:** -40-212°F

**Environmental Protection:** NEMA 4x (IP65), Series TL: NEMA 6, IP68

**Proof Pressure:** At Proof Pressure, zero and span may shift but no permanent damage has occurred.

**Burst Pressure:** At Burst Pressure, permanent non-recoverable damage may occur.



SERIES		TSA	TSB	TSC	TG1	TM	TE	THX	TL1
Code	Range	VACUUM							
P01	-30"Hg VAC	✓	✓	✓	✓	✓	✓	✓	
Code	Range	COMPOUND RANGES							
P02	-30/Hg/0/15psi	✓	✓	✓	✓			✓	
P03	-30/0/30 psi	✓	✓	✓	✓		✓		
P04	-30/0/60 psi	✓	✓	✓	✓				
P05	-30/0/100 psi	✓	✓	✓	✓		✓		
P06	-30/0/150 psi	✓	✓	✓	✓			✓	
P07	-30/0/200 psi						✓		
P08	-30/0/300 psi	✓	✓	✓	✓				
Code	Range	PRESSURE RANGES							
IN50	0/50 inH <sub>2</sub> O								✓
IN100	0/100 inH <sub>2</sub> O				✓				✓
IN200	0/200 inH <sub>2</sub> O								✓
L11	0/55 INWC			✓					
L12	0/80 INWC			✓					
L13	0/140 INWC	✓	✓	✓	✓				
L14	0/280 INWC	✓	✓	✓	✓				
P11	0/2 psi			✓				✓	✓
P12	0/3 psi			✓				✓	✓
P13	0/5 psi	✓	✓	✓	✓			✓	✓
P14	0/10 psi	✓	✓	✓	✓			✓	✓
P15	0/15 psi	✓	✓	✓	✓	✓	✓	✓	✓
P16	0/30 psi	✓	✓	✓	✓	✓	✓	✓	✓
P17	0/60 psi	✓	✓	✓	✓	✓	✓	✓	✓
P18	0/100 psi	✓	✓	✓	✓	✓	✓	✓	✓
P195	0/150 psi	✓	✓	✓	✓	✓	✓	✓	✓
P20	0/200 psi	✓	✓	✓	✓	✓	✓	✓	✓
P21	0/300 psi	✓	✓	✓	✓	✓	✓	✓	✓
P26	0/500 psi	✓	✓	✓	✓	✓	✓	✓	✓
P23	0/600 psi	✓	✓	✓	✓	✓			
P27	0/750 psi	✓	✓	✓	✓	✓	✓	✓	✓
P25	0/1000 psi	✓	✓	✓	✓	✓	✓	✓	✓
P30	0/1500 psi				✓	✓			
P31	0/2000 psi				✓	✓	✓		
P32	0/3000 psi				✓	✓	✓		
P34	0/5000 psi				✓	✓	✓	✓	
P35	0/6000 psi				✓	✓	✓		
P28	0/7500 psi				✓	✓		✓	
P37	0/10000 psi				✓	✓	✓	✓	
P38	0/15000 psi				✓	✓	✓	✓	
P39	0/20000 psi								
P40	0/30000 psi								
P41	0/40000 psi								
P42	0/50000 psi								
P43	0/60000 psi								
Code	Range	ABSOLUTE RANGES							
A15	0/15 psia	✓	✓		✓				
A16	0/30 psia	✓	✓		✓				
A17	0/60 psia	✓	✓		✓				
A18	0/100 psia	✓	✓		✓				
A19	0/150 psia	✓	✓		✓				
A20	0/200 psia	✓	✓		✓				
A21	0/300 psia	✓	✓		✓				

**Don't See the Range You Need?**  
Other ranges may be available, contact Reotemp customer service for more information.

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SERIES		T90	TA	TSTA	TSA/ TSB	TSC	TSTP/ TSTDS	TSTC	TG1	TP/ TDS	TC	TE	TH1	THX	TL1
Code	Range	VACUUM													
P01	-30 inHg/0 psi	✓	✓	✓	✓	✓			✓			✓	✓	✓	
P01R	-14.5/0 psi							✓			✓				
Code	Range	COMPOUND RANGES													
P02	-30 inHg/15psi	✓	✓	✓	✓	✓			✓				✓	✓	
P03	-30 inHg/30 psi	✓	✓	✓	✓	✓			✓			✓	✓		
P04	-30 inHg/60 psi	✓	✓	✓	✓	✓			✓						
P05	-30 inHg/100 psi	✓	✓	✓	✓	✓			✓			✓			
P06	-30 inHg/150 psi	✓	✓	✓	✓	✓			✓					✓	
P07	-30 inHg/200 psi	✓	✓	✓								✓			
P08	-30 inHg/300 psi	✓	✓	✓	✓	✓			✓						
P02R	-14.5/0/15 psi							✓			✓				
P03R	-14.5/0/30 psi						✓	✓		✓	✓				
P04R	-14.5/0/60 psi						✓	✓		✓	✓				
P05R	-14.5/0/100 psi						✓	✓		✓	✓				
P06R	-14.5/0/150 psi						✓	✓		✓	✓				
P07R	-14.5/0/200 psi						✓	✓		✓	✓				
P08R	-14.5/0/300 psi						✓	✓		✓	✓				
Code	Range	PRESSURE RANGES													
IN50	0/50 inH <sub>2</sub> O	✓	✓	✓				✓			✓		✓		✓
IN100	0/100 inH <sub>2</sub> O	✓	✓	✓				✓	✓		✓		✓		✓
IN200	0/200 inH <sub>2</sub> O	✓	✓	✓				✓			✓		✓		✓
L11	0/55 INWC	✓	✓	✓		✓		✓			✓		✓		
L12	0/80 INWC	✓	✓	✓		✓		✓			✓		✓		
L13	0/140 INWC	✓	✓	✓	✓	✓		✓	✓		✓		✓		
L14	0/280 INWC	✓	✓	✓	✓	✓		✓	✓		✓		✓		
P11	0/2 psi	✓	✓	✓		✓		✓			✓		✓	✓	✓
P12	0/3 psi	✓	✓	✓		✓		✓			✓		✓	✓	✓
P13	0/5 psi	✓	✓	✓	✓	✓		✓	✓		✓		✓	✓	✓
P14	0/10 psi	✓	✓	✓	✓	✓		✓	✓		✓		✓	✓	✓
P15	0/15 psi	✓	✓	✓	✓	✓		✓	✓		✓	✓	✓	✓	✓
P16	0/30 psi	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
P175	0/50psi	✓	✓	✓			✓	✓		✓	✓				
P17	0/60 psi	✓	✓	✓	✓	✓		✓			✓		✓	✓	✓
P18	0/100 psi	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
P195	0/150 psi	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓
P20	0/200 psi	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
P21	0/300 psi	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
P26	0/500 psi	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
P23	0/600 psi	✓	✓	✓	✓	✓		✓				✓	✓		
P27	0/750 psi	✓	✓	✓	✓	✓		✓			✓	✓	✓	✓	✓
P25	0/1000 psi	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
P30	0/1500 psi	✓	✓					✓	✓				✓		
P31	0/2000 psi	✓	✓					✓	✓			✓	✓		
P32	0/3000 psi	✓	✓					✓	✓		✓	✓			
P34	0/5000 psi	✓	✓					✓	✓		✓	✓	✓	✓	
P35	0/6000 psi	✓	✓					✓	✓		✓	✓	✓		
P28	0/7500 psi	✓	✓					✓	✓			✓	✓	✓	
P37	0/10000 psi	✓	✓					✓			✓	✓	✓	✓	
P38	0/15000 psi							✓			✓	✓	✓	✓	
P39	0/20000 psi											✓	✓		
P40	0/30000 psi											✓	✓		
P41	0/40000 psi											✓	✓		
P42	0/50000 psi											✓	✓		
P43	0/60000 psi											✓	✓		

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**Don't See the Range You Need?**  
Other ranges may be available, contact REOTEMP customer service for more information.

✓ Indicates that the option is available  
Note: Specifications are subject to change.

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SERIES		T90	TA	TSTA	TSA/ TSB	TSC	TSTP/ TSTDs	TSTC	TG1	TP/ TDS	TC	TE	TH1	THX	TL1
Code	Range	ABSOLUTE RANGES													
P15A	0/15 psia		✓	✓	✓				✓		✓				
P16A	0/30 psia		✓	✓	✓				✓		✓				
P17A	0/60 psia		✓	✓	✓				✓		✓				
P18A	0/100 psia		✓	✓	✓				✓		✓				
P19A	0/150 psia		✓	✓	✓				✓		✓				
P20A	0/200 psia		✓	✓	✓				✓		✓				
P21A	0/300 psia		✓	✓	✓				✓		✓				