

Force Sensors

10153 & 10154

MODULAR DUAL RANGE LOAD CELL

Model 10153 is a VHO (Very High Overload) protected sensor. The VHO series load cells are also designed in a modular fashion which permits two cells of different capacities to be tandem mounted, forming a dual range force sensor. In this manner, high accuracy measurements can be made. The center hub on the active end of the load cell is free to rotate. The normal application of the non-protected cell (10154) is the larger capacity in a dual range modular assembly.

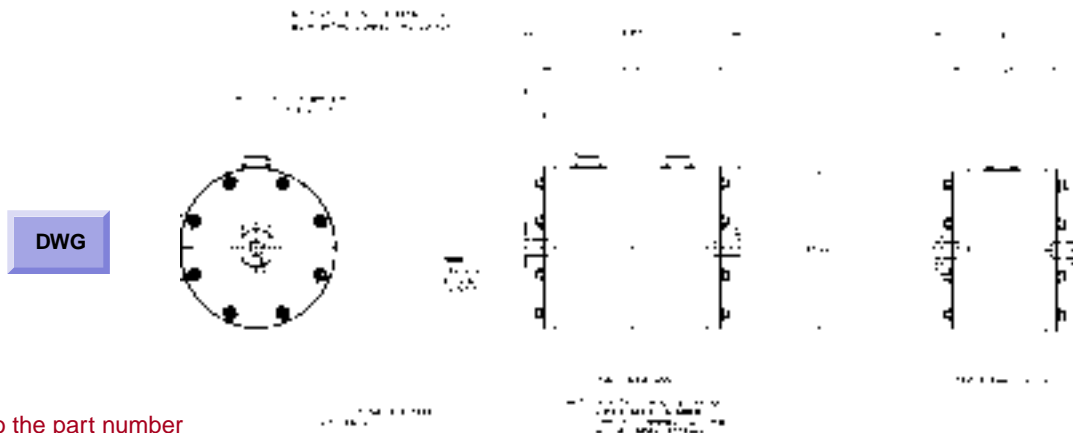


SPECIFICATIONS

Capacity..... 50 to 5,000 lb. (See chart)
 Overload capacity.....
 10153..... 15,000 lb.
 10154..... 150% of F. S.
 Output at full scale..... 2.0 mV/V nominal
 Non-linearity..... 0.10% of F.S.
 Hysteresis..... 0.10% of F.S.
 Zero balance..... 1% of F.S.
 Compensated temperature..... 70 to 170°F
 Useable temperature..... -65 to +250°F
 Temperature effect on zero..... 0.002% of F.S./°F
 Temperature effect on span.. 0.002% of Rdg./°F
 Bridge resistance..... 350 Ohms
 Excitation voltage, maximum..... 20 Vdc
 Material 17-4 Stainless steel

MODEL	LBS	O-LOAD PROTECTION
10153-051	50	YES
10153-012	100	
10153-022	200	
10153-052	500	
10153-013	1000	
10153-023	2000	
10154-051	50	NO
10154-012	100	
10154-022	200	
10154-052	500	
10154-013	1000	
10154-023	2000	
10154-053	5000	

DIMENSIONS (INCHES)



Note: Add "A" to the part number for Auto-ID (ie 10153-051A.)



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