

# Comparison Chart - Torque Gauges

REV 1



	Model BGI	Series MGT	Series CT	Series ST
Accuracy	±0.1% of full scale ±1 digit + sensor	±0.5% of full scale ± 1 digit		
Power	AC or rechargeable battery. Includes Intelligent Power Management System (IPM). IPM warns the user via a "LO BAT" indicator and then powers off the gauge.	AC or non-rechargeable battery, includes IPM.		
Battery life	8-10 hours of continuous use per charge	30 hours of continuous use		
Peak capture	Yes, CW and CCW			
Units of measurement	ozFin / lbFin, kgFmm / kgFm, Ncm / Nm		lbFin, kgFmm, Ncm	
Outputs	Standard	N/A	Optional	Standard
RS-232	Fully configurable up to 9600 baud. Includes Gauge Control Language (GCL).	N/A	Fully configurable up to 9600 baud	
Mitutoyo (Digimatic)	Serial BCD suitable for all Mitutoyo SPC-compatible devices	N/A	Serial BCD suitable for all Mitutoyo SPC-compatible devices	
Analog	±1 VCD, ±0.25% of full scale at capacity. Positive for compression, negative for tension.	N/A		
General purpose I/O	Three open collector outputs and one input (utilizing Mitutoyo lines)	N/A		
Set point	Three open collector lines (utilizing Mitutoyo lines)	N/A		
Configurable Settings	Analog filters, digital filters, outputs selection, automatic output (RS-232), automatic shutoff, initial (default), averaging mode, calibration	N/A	RS-232 and Mitutoyo output settings	
Safe overload	Dependent upon sensor (display shows "----" at 110% and above)	150% of full scale (display shows "----" at 110% and above)		
Weight	0.9 lb (0.4 kg) + sensor	1.8 lb (0.8 kg)	6.5 lb (2.9 kg)	4.8 lb (2.2 kg)
Included items	Carrying case, AC adapter/charger, rechargeable 7.2V battery, NIST-traceable certificate of calibration	Carrying case, AC adapter, non-rechargeable 7.2V battery, NIST-traceable certificate of calibration, chuck key	Set of four posts, AC adapter, non-rechargeable 7.2V battery, NIST-traceable certificate of calibration	AC adapter, 9V battery, NIST-traceable certificate of calibration
Environmental requirements	40°F - 100°F [5°C - 45°C], <96% humidity (non-condensating)			
Housing construction	Aluminum			