



## TO-4 Test Machine Model 1158

The Model 1158 TO-4 Test Machine conducts tests for performance and durability of wet friction clutch plates, spacer plates and transmission fluids. The machine is an inertia dynamometer in which the kinetic energy of the rotating mass is absorbed by the reaction of a rotating friction disc and an opposing stationary steel plate. Primary functions are controlled at the console, including selection of test parameters and control modes, display of pertinent data, and monitoring of all test data.

The system uses the vehicle's drive train lubricants as the cooling medium. Apply pressures are modulated to obtain controlled outputs in repetitive tests. The control system is housed in a free-standing console and features an IBM compatible computer for control, data acquisition, and graphic report generation. The control system features manual and fully-automatic operation. In the automatic mode, entire test sequences may be executed without operator invention.

This data-based system allows test procedures and test results to be retained on hard disk for access by the test engineer. Test procedures are available for evaluation and classification of transmission fluids, separator plates or friction materials used in wet applications.



Typical Specifications:	
<b>Control System</b>	ProLink software
<b>Test Speed</b>	250-5700 rpm
<b>Force</b>	5200-45,000 N (1170-10,120 LBf)
<b>Torque</b>	0-3500 Nm (0-30,000 in-lbs)
<b>Flow</b>	1.0-5.6 lpm (0.26-1.5 GPM)
<b>Capacity</b>	19 Liters (5 gallons )
<b>Temperature</b>	70° - 121°C (160° - 250°F)

*For more information on the Model 1158 TO-4 Test Machine and how it can be configured to meet your test requirements contact LINK at 734-453-0800 or sales@linkeng.com*

Disclaimer:

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Equipment pictured in this brochure may be shown with safety equipment removed or disabled for purposes of illustration. Equipment must never be operated with safety equipment removed or disabled.

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