

PRICE LIST

Effective January 1, 2024



Instruments include 110V AC adapters or power cords, unless one of the following suffixes is added:

- 220V Europe: 'E' - example: M5-50E
- 220V United Kingdom: 'U' - example: M7IU
- 220V Australia: 'A' - example: F305-IMTA

\* indicates new item since previous release

Click on any part number or image to link directly to the product webpage

**M7** ±0.1%, 14,000 Hz, high speed data capture, foot switch, user-defined unit, 5,000-point memory & statistics, break detection, USB, RS-232, Mitutoyo, analog outputs, averaging, set points with outputs, external trigger, extension rod, chisel, cone, v-groove, flat, hook, AC adapter/charger, carrying case, NIST certificate w/data



PROFESSIONAL FORCE GAUGES SERIES 7

M7-012	Force gauge, 0.12 lbF / 2 ozF / 50 gF / 0.5 N / 500 mN	2,425.00
M7-025	Force gauge, 0.25 lbF / 4 ozF / 100 gF / 1 N / 1000 mN	2,425.00
M7-05	Force gauge, 0.5 lbF / 8 ozF / 250 gF / 2.5 N / 2500 mN	2,100.00
M7-2	Force gauge, 2 lbF / 32 ozF / 1 kgF / 1000 gF / 10 N	1,900.00
M7-5	Force gauge, 5 lbF / 80 ozF / 2.5 kgF / 2500 gF / 25 N	1,900.00
M7-10	Force gauge, 10 lbF / 160 ozF / 5 kgF / 5000 gF / 50 N	1,900.00
M7-20	Force gauge, 20 lbF / 320 ozF / 10 kgF / 10000 gF / 100 N	1,900.00
M7-50	Force gauge, 50 lbF / 800 ozF / 25 kgF / 25000 gF / 250 N	1,900.00
M7-100	Force gauge, 100 lbF / 1600 ozF / 50 kgF / 50000 gF / 500 N	1,900.00
M7-200	Force gauge, 200 lbF / 3200 ozF / 100 kgF / 1000 N / 1 kN	2,100.00
M7-500	Force gauge, 500 lbF / 8000 ozF / 250 kgF / 2500 N / 2.5 kN	2,100.00

**M5** ±0.1%, 7,000 Hz, USB, RS-232, Mitutoyo, analog outputs, 1,000-point memory & statistics, averaging, set points with outputs, external trigger, extension rod, chisel, cone, v-groove, flat, hook, AC adapter/charger, carrying case, NIST certificate w/data



M5-012 - M5-500, M5-2-COF



M5-750 - M5-2000

ADVANCED FORCE GAUGES SERIES 5

M5-012	Force gauge, 0.12 lbF / 2 ozF / 50 gF / 0.5 N / 500 mN	1,765.00
M5-025	Force gauge, 0.25 lbF / 4 ozF / 100 gF / 1 N / 1000 mN	1,765.00
M5-05	Force gauge, 0.5 lbF / 8 ozF / 250 gF / 2.5 N / 2500 mN	1,410.00
M5-2	Force gauge, 2 lbF / 32 ozF / 1 kgF / 1000 gF / 10 N	1,250.00
M5-5	Force gauge, 5 lbF / 80 ozF / 2.5 kgF / 2500 gF / 25 N	1,250.00
M5-10	Force gauge, 10 lbF / 160 ozF / 5 kgF / 5000 gF / 50 N	1,250.00
M5-20	Force gauge, 20 lbF / 320 ozF / 10 kgF / 10000 gF / 100 N	1,250.00
M5-50	Force gauge, 50 lbF / 800 ozF / 25 kgF / 25000 gF / 250 N	1,250.00
M5-100	Force gauge, 100 lbF / 1600 ozF / 50 kgF / 50000 gF / 500 N	1,250.00
M5-200	Force gauge, 200 lbF / 3200 ozF / 100 kgF / 1000 N / 1 kN	1,410.00
M5-300	Force gauge, 300 lbF / 4800 ozF / 150 kgF / 1500 N / 1.5 kN	1,410.00
M5-500	Force gauge, 500 lbF / 8000 ozF / 250 kgF / 2500 N / 2.5 kN	1,410.00
M5-750	Force gauge, 750 lbF / 12000 ozF / 375 kgF / 3750 N / 3.75 kN	1,700.00
M5-1000	Force gauge, 1000 lbF / 16000 ozF / 500 kgF / 5000 N / 5 kN	1,700.00
M5-1500	Force gauge, 1500 lbF / 24000 ozF / 750 kgF / 7500 N / 7.5 kN	1,700.00
M5-2000	Force gauge, 2000 lbF / 32000 ozF / 1000 kgF / 10000 N / 10 kN	1,700.00
M5-2-COF	COF gauge, 2 lbF / 32 ozF / 1 kgF / 1000 gF / 10 N	1,470.00
COF-K1	Kit, M5-2-COF gauge with G1086 coefficient of friction fixture	2,900.00

**M4** ±0.2%, 3,000 Hz, USB, RS-232, Mitutoyo, analog outputs, 50-point memory & statistics, set points with outputs, extension rod, chisel, cone, v-groove, flat, hook, AC adapter/charger, carrying case, NIST certificate w/data



PERFORMANCE FORCE GAUGES SERIES 4

M4-012	Force gauge, 0.12 lbF / 2 ozF / 50 gF / 0.5 N / 500 mN	1,500.00
M4-025	Force gauge, 0.25 lbF / 4 ozF / 100 gF / 1 N / 1000 mN	1,500.00
M4-05	Force gauge, 0.5 lbF / 8 ozF / 250 gF / 2.5 N / 2500 mN	1,125.00
M4-2	Force gauge, 2 lbF / 32 ozF / 1 kgF / 1000 gF / 10 N	945.00
M4-5	Force gauge, 5 lbF / 80 ozF / 2.5 kgF / 2500 gF / 25 N	945.00
M4-10	Force gauge, 10 lbF / 160 ozF / 5 kgF / 5000 gF / 50 N	945.00
M4-20	Force gauge, 20 lbF / 320 ozF / 10 kgF / 10000 gF / 100 N	945.00
M4-50	Force gauge, 50 lbF / 800 ozF / 25 kgF / 25000 gF / 250 N	945.00
M4-100	Force gauge, 100 lbF / 1600 ozF / 50 kgF / 50000 gF / 500 N	945.00
M4-200	Force gauge, 200 lbF / 3200 ozF / 100 kgF / 1000 N / 1 kN	1,125.00
M4-500	Force gauge, 500 lbF / 8000 ozF / 250 kgF / 2500 N / 2.5 kN	1,125.00

**M3**  $\pm 0.3\%$ , 1,000 Hz, USB output, set point indicators, extension rod, chisel, cone, v-groove, flat, hook, AC adapter/charger, carrying case, NIST certificate



### BASIC FORCE GAUGES SERIES 3

M3-012	Force gauge, 0.12 lbF / 50 gF / 0.5 N	1,285.00
M3-025	Force gauge, 0.25 lbF / 100 gF / 1 N	1,285.00
M3-05	Force gauge, 0.5 lbF / 250 gF / 2.5 N	895.00
M3-2	Force gauge, 2 lbF / 1 kgF / 10 N	725.00
M3-5	Force gauge, 5 lbF / 2.5 kgF / 25 N	725.00
M3-10	Force gauge, 10 lbF / 5 kgF / 50 N	725.00
M3-20	Force gauge, 20 lbF / 10 kgF / 100 N	725.00
M3-50	Force gauge, 50 lbF / 25 kgF / 250 N	725.00
M3-100	Force gauge, 100 lbF / 50 kgF / 500 N	725.00
M3-200	Force gauge, 200 lbF / 100 kgF / 1000 N	895.00
M3-500	Force gauge, 500 lbF / 250 kgF / 2500 N	895.00

**M2**  $\pm 0.5\%$ , 500 Hz, peak capture, selectable units, AC adapter/charger, conformance certificate



### ECONOMICAL FORCE GAUGES SERIES 2

M2-2	Force gauge, 2 lbF / 1 kgF / 10 N	490.00
M2-5	Force gauge, 5 lbF / 2.5 kgF / 25 N	490.00
M2-10	Force gauge, 10 lbF / 5 kgF / 50 N	490.00
M2-20	Force gauge, 20 lbF / 10 kgF / 100 N	490.00
M2-50	Force gauge, 50 lbF / 25 kgF / 250 N	490.00
M2-100	Force gauge, 100 lbF / 50 kgF / 500 N	490.00
M2-200	Force gauge, 200 lbF / 100 kgF / 1000 N	660.00
M2-500	Force gauge, 500 lbF / 250 kgF / 2500 N	660.00
12-1049	Carrying case	45.00
23-1031-2	Attachments kit for M2-2 - M2-100	100.00
23-1031-3	Attachments kit for M2-200 - M2-500	120.00

**TT03**  $\pm 0.5\%$ , Selectable units, carrying case, universal voltage AC adapter, battery, chuck key, USB cable, NIST certificate



### TORQUE GAUGES SERIES TT03

MTT03-10Z	Torque gauge, 10 ozFin / 7 kgFmm / 7 Ncm	1,595.00
MTT03-20Z	Torque gauge, 20 ozFin / 14 kgFmm / 14 Ncm	1,595.00
MTT03-50Z	Torque gauge, 50 ozFin / 36 kgFmm / 35 Ncm	1,595.00
MTT03-12	Torque gauge, 12 lbFin / 140 kgFmm / 135 Ncm	1,400.00
MTT03-50	Torque gauge, 50 lbFin / 580 kgFmm / 570 Ncm	1,400.00
MTT03-100	Torque gauge, 100 lbFin / 1150 kgFmm / 1150 Ncm	1,400.00

### TORQUE GAUGES SERIES TT03C

MTT03C-12	Cap torque gauge, 12 lbFin / 140 kgFmm / 135 Ncm	1,690.00
MTT03C-50	Cap torque gauge, 50 lbFin / 580 kgFmm / 570 Ncm	1,690.00
MTT03C-100	Cap torque gauge, 100 lbFin / 1150 kgFmm / 1150 Ncm	1,690.00

**TT01**  $\pm 0.3\%$ , Outputs, selectable units, AC adapter, NIST certificate



### CAP TORQUE TESTERS SERIES TT01

MTT01-12	Cap torque tester, 12 lbFin / 192 ozFin / 14 kgFcm / 135 Ncm / 1.35 Nm	1,610.00
MTT01-25	Cap torque tester, 25 lbFin / 400 ozFin / 28 kgFcm / 290 Ncm / 2.9 Nm	1,610.00
MTT01-50	Cap torque tester, 50 lbFin / 800 ozFin / 58 kgFcm / 570 Ncm / 5.7 Nm	1,610.00
MTT01-100	Cap torque tester, 100 lbFin / 1600 ozFin / 116 kgFcm / 115 Ncm / 11.5 Nm	1,610.00
CT001	Sample gripping jaws for TT01 pair	85.00
CT002	Carrying case for TT01/TT05	220.00
CT003	Adjustable gripping jaws for TT01, pair	395.00
CT004	Spare set of posts for TT01 / R53, 1.25" length, set of 4	170.00
CT005	Set of posts for TT01 / R53, 2.5" length, set of 4	195.00
CT006	Set of posts for TT01 / R53, 4" length, set of 4	225.00
CT007	Kit of 4 posts of each length, 12 total	450.00

**TT02**  $\pm 0.3\%$ , Outputs, selectable units, AC adapter, NIST certificate



### TORQUE TOOL TESTERS SERIES TT02

MTT02-12	Torque tool tester, 12 lbFin / 192 ozFin / 14 kgFcm / 135 Ncm / 1.35 Nm	1,495.00
MTT02-25	Torque tool tester, 25 lbFin / 400 ozFin / 28 kgFcm / 290 Ncm / 2.9 Nm	1,495.00
MTT02-50	Torque tool tester, 50 lbFin / 800 ozFin / 58 kgFcm / 570 Ncm / 5.7 Nm	1,495.00
MTT02-100	Torque tool tester, 100 lbFin / 1600 ozFin / 116 kgFcm / 115 Ncm / 11.5 Nm	1,495.00
AC1066-1	Rundown fixture, 0 - 50 lbFin / 0 - 5.7 Nm	250.00
AC1066-2	Rundown fixture, 50 - 100 lbFin / 5.7 - 11.5 Nm	250.00
ST001	Bench mounting bracket for TT02	170.00
ST002	Carrying case for TT02	200.00

**TT05**  $\pm 0.3\%$ , Outputs, selectable units, AC adapter, NIST certificate



### TORQUE TESTERS SERIES TT05

MTT05-12	Torque tester, 12 lbFin / 192 ozFin / 14 kgFcm / 135 Ncm / 1.35 Nm	1,425.00
MTT05-25	Torque tester, 25 lbFin / 400 ozFin / 28 kgFcm / 290 Ncm / 2.9 Nm	1,425.00
MTT05-50	Torque tester, 50 lbFin / 800 ozFin / 58 kgFcm / 570 Ncm / 5.7 Nm	1,425.00
MTT05-100	Torque tester, 100 lbFin / 1600 ozFin / 116 kgFcm / 115 Ncm / 11.5 Nm	1,425.00

**Wire crimp pull testers**

Designed for wire crimp pull testing applications. Manual and motorized models available. Include USB cable and NIST

**WIRE CRIMP PULL TESTERS**

WT3-201	Manual wire crimp pull tester, 200 lbF / 3200 ozF / 100 kgF / 1000 N / 1 kN	2,620.00
WT3-201M	Motorized wire crimp pull tester, 200 lbF / 3200 ozF / 100 kgF / 1000 N / 1 kN	4,890.00
WF010	Save multiple profiles option for WT3-201M	895.00
WF011	Pull to load option for WT3-201M	675.00
WF012	Load holding option for WT3-201M	1,010.00
WF013	Date & time stamp option for WT3-201M	620.00
WFCOMP	Complete options package for WT3-201M	2,080.00
WT3002	Ring terminal fixture for WT3-201 / WT3-201M	220.00
WT3003	Machinable blank terminal fixture for WT3-201 / WT3-201M	200.00
WT3004	Carrying case for WT3-201	285.00
WT3004-1	Carrying case for WT3-201M	285.00

**M7I / M5I** ±0.1%, USB, RS-232, Mitutoyo, analog outputs, set point indicators/outputs, averaging, external trigger, memory, password.

**M3I** ±0.2%, USB output, set point indicators, load bar graph, selectable units, automatic shutoff, NIST cert.

**PLUG & TEST® INDICATORS & SENSORS**

M7I	Professional force / torque indicator	1,740.00
M5I	Advanced force / torque indicator	1,025.00
M3I	Basic force / torque indicator	675.00
PTA	Plug & Test® user-configurable adapter, with software	275.00
PTAF	Plug & Test® user-configurable adapter for F105 / F305 / F505 / F505H test frames, with software	450.00

**R01** ±0.15% + indicator, tension/compression, NIST certificate w/data.



MR01-50	Force sensor, 50 lbF / 800 ozF / 25 kgF / 25000 gF / 250 N	700.00
MR01-100	Force sensor, 100 lbF / 1600 ozF / 50 kgF / 50000 gF / 500 N	700.00
MR01-200	Force sensor, 200 lbF / 3200 ozF / 100 kgF / 1000 N / 1 kN	700.00
MR01-300	Force sensor, 300 lbF / 4800 ozF / 150 kgF / 1500 N / 1.5 kN	700.00
MR01-500	Force sensor, 500 lbF / 8000 ozF / 250 kgF / 2500 N / 2.5 kN	700.00
MR01-750	Force sensor, 750 lbF / 12000 ozF / 375 kgF / 3750 N / 3.75 kN	700.00
MR01-1000	Force sensor, 1000 lbF / 16000 ozF / 500 kgF / 5000 N / 5 kN	700.00
MR01-1500	Force sensor, 1500 lbF / 24000 ozF / 750 kgF / 7500 N / 7.5 kN	700.00
MR01-2000	Force sensor, 2000 lbF / 32000 ozF / 1000 kgF / 10000 N / 10 kN	700.00
MR01-5000	Force sensor, 5000 lbF / 2500 kgF / 25000 N / 25 kN	1,000.00
MR01-10000	Force sensor, 10000 lbF / 5000 kgF / 50000 N / 50 kN	1,000.00

Add suffix "-1" for shorter cable length, for use on ESM1500/ESM750, ESM303 and ESM303H. Ex: MR01-2000-1

**R02** ±0.5% + indicator, compression only, NIST certificate w/data.



MR02-100	Force sensor, 100 lbF / 1600 ozF / 50 kgF / 50000 gF / 500 N	880.00
MR02-200	Force sensor, 200 lbF / 3200 ozF / 100 kgF / 1000 N / 1 kN	880.00
MR02-500	Force sensor, 500 lbF / 8000 ozF / 250 kgF / 2500 N / 2.5 kN	880.00
MR02-1000	Force sensor, 1000 lbF / 16000 ozF / 500 kgF / 5000 N / 5 kN	880.00
MR02-2000	Force sensor, 2000 lbF / 32000 ozF / 1000 kgF / 10000 N / 10 kN	880.00
MR02-5000	Force sensor, 5000 lbF / 2500 kgF / 25000 N / 25 kN	1,000.00
MR02-10000	Force sensor, 10000 lbF / 5000 kgF / 50000 N / 50 kN	1,000.00

**R03** ±0.15% + indicator, inline, tension/compression, NIST certificate w/data.



MR03-025	Force sensor, 0.25 lbF / 4 ozF / 100 gF / 1 N / 1000 mN	915.00
MR03-05	Force sensor, 0.5 lbF / 8 ozF / 250 gF / 2.5 N / 2500 mN	915.00
MR03-2	Force sensor, 2 lbF / 32 ozF / 1 kgF / 1000 gF / 10 N	765.00
MR03-5	Force sensor, 5 lbF / 80 ozF / 2.5 kgF / 2500 gF / 25 N	765.00
MR03-10	Force sensor, 10 lbF / 160 ozF / 5 kgF / 5000 gF / 50 N	765.00
MR03-20	Force sensor, 20 lbF / 320 ozF / 10 kgF / 10000 gF / 100 N	765.00
MR03-50	Force sensor, 50 lbF / 800 ozF / 25 kgF / 25000 gF / 250 N	765.00
MR03-100	Force sensor, 100 lbF / 1600 ozF / 50 kgF / 50000 gF / 500 N	765.00










Add suffix "-1" for shorter cable length, for use on ESM1500/ESM750, ESM303 and ESM303H. Ex: MR01-2000-1

**R04** ±0.2% + indicator, tension/compression, NIST certificate w/data.



MR04-025M	Force sensor, 0.25 lbF / 4 ozF / 100 gF / 1 N / 1000 mN, M3	1,750.00
MR04-05M	Force sensor, 0.5 lbF / 8 ozF / 250 gF / 2.5 N / 2500 mN, M3	1,750.00
MR04-2	Force sensor, 2 lbF / 32 ozF / 1 kgF / 1000 gF / 10 N, #4-40	1,750.00
MR04-5	Force sensor, 5 lbF / 80 ozF / 2.5 kgF / 2500 gF / 25 N, #4-40	1,750.00
MR04-10	Force sensor, 10 lbF / 160 ozF / 5 kgF / 5000 gF / 50 N, #4-40	1,750.00
MR04-20	Force sensor, 20 lbF / 320 ozF / 10 kgF / 10000 gF / 100 N, #4-40	1,750.00
MR04-50	Force sensor, 50 lbF / 800 ozF / 25 kgF / 25000 gF / 250 N, #4-40	1,750.00
MR04-100	Force sensor, 100 lbF / 1600 ozF / 50 kgF / 50000 gF / 500 N, #4-40	1,750.00
MR04-2M	Force sensor, 2 lbF / 32 ozF / 1 kgF / 1000 gF / 10 N, M3	1,750.00
MR04-5M	Force sensor, 5 lbF / 80 ozF / 2.5 kgF / 2500 gF / 25 N, M3	1,750.00
MR04-10M	Force sensor, 10 lbF / 160 ozF / 5 kgF / 5000 gF / 50 N, M3	1,750.00
MR04-20M	Force sensor, 20 lbF / 320 ozF / 10 kgF / 10000 gF / 100 N, M3	1,750.00
MR04-50M	Force sensor, 50 lbF / 800 ozF / 25 kgF / 25000 gF / 250 N, M3	1,750.00
MR04-100M	Force sensor, 100 lbF / 1600 ozF / 50 kgF / 50000 gF / 500 N, M3	1,750.00

Series R04 is transitioning to "M" versions only, ex. MR04-50M. Check the website for availability of non-M versions.

<b>R05</b> $\pm 0.15\%$ + indicator, tension/compression, NIST certificate w/data. 	MR05-500	Force sensor, 500 lbF / 8000 ozF / 250 kgF / 2500 N / 2.5 kN	875.00
	MR06-200	Wire pull force sensor, 200 lbF / 3200 ozF / 100 kgF / 1000 N / 1 kN	1,840.00
<b>R06</b> $\pm 0.5\%$ + indicator, wire crimp pull testing, tension only, NIST certificate w/data. 	MR07-50	Force sensor, 50 lbF / 800 ozF / 25 kgF / 25000 gF / 250 N	800.00
	MR07-100	Force sensor, 100 lbF / 1600 ozF / 50 kgF / 50000 gF / 500 N	800.00
<b>R07</b> $\pm 0.15\%$ + indicator, tension/compression, NIST certificate w/data. 	MR07-200	Force sensor, 200 lbF / 3200 ozF / 100 kgF / 1000 N / 1 kN	800.00
	MR07-300	Force sensor, 300 lbF / 4800 ozF / 150 kgF / 1500 N / 1.5 kN	800.00
<b>R50</b> $\pm 0.35\%$ + indicator, universal torque, bidirectional, Jacobs chuck, NIST certificate w/data. 	MR07-500	Force sensor, 500 lbF / 8000 ozF / 250 kgF / 2500 N / 2.5 kN	800.00
	MR07-750	Force sensor, 750 lbF / 12000 ozF / 375 kgF / 3750 N / 3.75 kN	800.00
<b>R51</b> $\pm 0.2\%$ + indicator, universal torque, bidirectional, interchangeable grips, excellent overload protection, NIST certificate w/data. Select chuck or bit holder. 	MR07-1000	Force sensor, 1000 lbF / 16000 ozF / 500 kgF / 5000 N / 5 kN	800.00
	MR07-1500	Force sensor, 1500 lbF / 24000 ozF / 750 kgF / 7500 N / 7.5 kN	800.00
<b>R52</b> $\pm 0.35\%$ + indicator, universal torque, bidirectional, NIST certificate w/data. 	MR50-10Z	Torque sensor, 10 ozFin / 700 gFcm / 7 kgFmm / 70 Nmm / 7 Ncm	1,020.00
	MR50-20Z	Torque sensor, 20 ozFin / 1400 gFcm / 14 kgFmm / 140 Nmm / 14 Ncm	1,020.00
<b>R55</b> $\pm 0.6\%$ + indicator, universal torque, bidirectional, NIST certificate w/data. 	MR50-50Z	Torque sensor, 50 ozFin / 3600 gFcm / 36 kgFmm / 350 Nmm / 35 Ncm	1,020.00
	MR50-12	Torque sensor, 12 lbFin / 1 lbFft / 192 ozFin / 135 Ncm / 1.35 Nm	940.00
<b>FS05</b> $\pm 0.1\%$ + indicator or test frame, NIST certificate w/data. 	MR50-50	Torque sensor, 50 lbFin / 4 lbFft / 800 ozFin / 570 Ncm / 5.7 Nm	940.00
	MR50-100	Torque sensor, 100 lbFin / 8 lbFft / 1600 ozFin / 1150 Ncm / 11.5 Nm	940.00
<b>FS06</b> $\pm 0.15\%$ + indicator or test frame, NIST certificate w/data. 	MR51-10Z	Torque sensor, 10 ozFin / 700 gFcm / 7 kgFmm / 70 Nmm / 7 Ncm	955.00
	MR51-20Z	Torque sensor, 20 ozFin / 1400 gFcm / 14 kgFmm / 140 Nmm / 14 Ncm	955.00
	MR51-50Z	Torque sensor, 50 ozFin / 3600 gFcm / 36 kgFmm / 350 Nmm / 35 Ncm	955.00
	MR51-12	Torque sensor, 12 lbFin / 1 lbFft / 192 ozFin / 135 Ncm / 1.35 Nm	880.00
	MR51-50	Torque sensor, 50 lbFin / 4 lbFft / 800 ozFin / 570 Ncm / 5.7 Nm	880.00
	MR51-100	Torque sensor, 100 lbFin / 8 lbFft / 1600 ozFin / 1150 Ncm / 11.5 Nm	880.00
	MR52-10Z	Torque sensor, 10 ozFin / 700 gFcm / 7 kgFmm / 70 Nmm / 7 Ncm	975.00
	MR52-20Z	Torque sensor, 20 ozFin / 1400 gFcm / 14 kgFmm / 140 Nmm / 14 Ncm	975.00
	MR52-50Z	Torque sensor, 50 ozFin / 3600 gFcm / 36 kgFmm / 350 Nmm / 35 Ncm	975.00
	MR52-12	Torque sensor, 12 lbFin / 1 lbFft / 192 ozFin / 135 Ncm / 1.35 Nm	910.00
	MR52-50	Torque sensor, 50 lbFin / 4 lbFft / 800 ozFin / 570 Ncm / 5.7 Nm	910.00
	MR52-100	Torque sensor, 100 lbFin / 8 lbFft / 1600 ozFin / 1150 Ncm / 11.5 Nm	910.00
	MR55-20	Torque sensor, 20 lbFin / 1.5 lbFft / 320 ozFin / 220 Ncm / 2 Nm	1,375.00
	MR55-50	Torque sensor, 50 lbFin / 4 lbFft / 800 ozFin / 570 Ncm / 5.7 Nm	1,375.00
	MR55-100	Torque sensor, 100 lbFin / 8 lbFft / 1600 ozFin / 1150 Ncm / 11.5 Nm	1,375.00
	MR55-200	Torque sensor, 200 lbFin / 16 lbFft / 2300 kgFmm / 2200 Ncm / 22 Nm	1,375.00
	MR55-400	Torque sensor, 400 lbFin / 32 lbFft / 4600 kgFmm / 4500 Ncm / 45 Nm	1,375.00
	MR55-1000	Torque sensor, 1000 lbFin / 80 lbFft / 11500 kgFmm / 11000 Ncm / 110 Nm	1,375.00
	MR55-5000	Torque sensor, 5000 lbFin / 400 lbFft / 55 kgFm / 55000 Ncm / 550 Nm	1,375.00
	FS05-012	Force sensor, 0.12 lbF / 2 ozF / 50 gF / 0.5 N / 500 mN	1,815.00
	FS05-025	Force sensor, 0.25 lbF / 4 ozF / 100 gF / 1 N / 1000 mN	1,450.00
	FS05-05	Force sensor, 0.5 lbF / 8 ozF / 250 gF / 2.5 N / 2500 mN	1,450.00
	FS05-2	Force sensor, 2 lbF / 32 ozF / 1 kgF / 1000 gF / 10 N	1,285.00
	FS05-5	Force sensor, 5 lbF / 80 ozF / 2.5 kgF / 2500 gF / 25 N	1,285.00
	FS05-10	Force sensor, 10 lbF / 160 ozF / 5 kgF / 5000 gF / 50 N	1,285.00
	FS05-20	Force sensor, 20 lbF / 320 ozF / 10 kgF / 10000 gF / 100 N	1,285.00
	FS05-50	Force sensor, 50 lbF / 800 ozF / 25 kgF / 25000 gF / 250 N	1,285.00
	FS05-100	Force sensor, 100 lbF / 1600 ozF / 50 kgF / 50000 gF / 500 N	1,285.00
	FS05-200	Force sensor, 200 lbF / 3200 ozF / 100 kgF / 1000 N / 1 kN	1,450.00
	FS05-300	Force sensor, 300 lbF / 4800 ozF / 150 kgF / 1500 N / 1.5 kN	1,450.00
	FS05-500	Force sensor, 500 lbF / 8000 ozF / 250 kgF / 2500 N / 2.5 kN	1,450.00
	FS06-50	Force sensor, 50 lbF / 800 ozF / 25 kgF / 25000 gF / 250 N	1,350.00
	FS06-100	Force sensor, 100 lbF / 1600 ozF / 50 kgF / 50000 gF / 500 N	1,350.00
	FS06-200	Force sensor, 200 lbF / 3200 ozF / 100 kgF / 1000 N / 1 kN	1,350.00
	FS06-300	Force sensor, 300 lbF / 4800 ozF / 150 kgF / 1500 N / 1.5 kN	1,350.00
	FS06-500	Force sensor, 500 lbF / 8000 ozF / 250 kgF / 2500 N / 2.5 kN	1,350.00

**IntelliMESUR® Force Testers**  
 Fully integrated force testing systems with advanced test management and data collection software.


F105 | F305 | F505 -IMT



F505H-IMT



F755 | F755S | F1505 | F1505S -IMT



DC6000

**EasyMESUR® Force Testers**  
 Basic integrated force testing systems with optional control panel functions.


F105 | F305 | F505 -EM



F505H-EM



F755 | F755S | F1505 | F1505S -EM

**SERIES F TEST FRAMES + INTELLIMESUR®**

F105-IM	Test frame with IntelliMESUR® software, single license, vertical, 100 lbF / 0.5 kN	9,350.00
F105-IMT	Test frame with IntelliMESUR® pre-loaded tablet control panel, vertical, 100 lbF / 0.5 kN	11,550.00
F305-IM	Test frame with IntelliMESUR® software, single license, vertical, 300 lbF / 1.5 kN	9,950.00
F305-IMT	Test frame with IntelliMESUR® pre-loaded tablet control panel, vertical, 300 lbF / 1.5 kN	12,200.00
F505-IM	Test frame with IntelliMESUR® software, single license, vertical, 500 lbF / 2.2 kN	11,450.00
F505-IMT	Test frame with IntelliMESUR® pre-loaded tablet control panel, vertical, 500 lbF / 2.2 kN	13,650.00
F505H-IM	Test frame with IntelliMESUR® software, single license, horizontal, 500 lbF / 2.2 kN	12,200.00
F505H-IMT	Test frame with IntelliMESUR® pre-loaded tablet control panel, horizontal, 500 lbF / 2.2 kN	14,400.00
F755-IM	Test frame with IntelliMESUR® software, single license, vertical, 750 lbF / 3.4 kN	14,000.00
F755-IMT	Test frame with IntelliMESUR® pre-loaded tablet control panel, vertical, 750 lbF / 3.4 kN	16,100.00
F755S-IM	Test frame with IntelliMESUR® software, single license, vertical, short, 750 lbF / 3.4 kN	13,300.00
F755S-IMT	Test frame with IntelliMESUR® pre-loaded tablet control panel, vertical, short, 750 lbF / 3.4 kN	15,350.00
F1505-IM	Test frame with IntelliMESUR® software, single license, vertical, 1,500 lbF / 6.7 kN	15,350.00
F1505-IMT	Test frame with IntelliMESUR® pre-loaded tablet control panel, vertical, 1,500 lbF / 6.7 kN	17,400.00
F1505S-IM	Test frame with IntelliMESUR® software, single license, vertical, short, 1,500 lbF / 6.7 kN	14,700.00
F1505S-IMT	Test frame with IntelliMESUR® pre-loaded tablet control panel, vertical, short, 1,500 lbF / 6.7 kN	16,800.00
IMF001	COF testing module for IntelliMESUR®	550.00
IMF002	Materials testing calculations module for IntelliMESUR®	3,000.00
DC6000	Replacement tablet control panel, Series F, pre-installed w/IntelliMESUR®, w/test frame mounting hardware	9,100.00

**SERIES F TEST FRAMES + EASYMESUR®**

F105-EM	Test frame with EasyMESUR® control panel, vertical, 100 lbF / 0.5 kN	3,500.00
F305-EM	Test frame with EasyMESUR® control panel, vertical, 300 lbF / 1.3 kN	3,800.00
F505-EM	Test frame with EasyMESUR® control panel, vertical, 500 lbF / 2.2 kN	4,750.00
F505H-EM	Test frame with EasyMESUR® control panel, horizontal, 500 lbF / 2.2 kN	5,350.00
EMF001-1	Distance measurement function, F105/F305/F505/F505H -EM	1,325.00
EMF002-1	Distance limits function, F105/F305/F505/F505H -EM	370.00
EMF003-1	Preload function, F105/F305/F505/F505H -EM	370.00
EMF004-1	High speed extension, F105/F305/F505/F505H -EM	315.00
EMF005-1	Low speed extension, F105/F305/F505/F505H -EM	315.00
EMF006-1	Cycling function, F105/F305/F505/F505H -EM	445.00
EMF007-1	Break detection function, F105/F305/F505/F505H -EM	445.00
EMF008-1	Load holding function, F105/F305/F505/F505H -EM	445.00
EMF009-1	FollowMe® function, F105/F305/F505/F505H -EM	315.00
EMF010-1	Graphing & reporting function, F105/F305/F505/F505H -EM	1,025.00
EMF011-1	PC control function, F105/F305/F505/F505H -EM	1,575.00
EMP001-1	Distance measurement package, F105/F305/F505/F505H -EM	1,945.00
EMP002-1	Speed extension package, F105/F305/F505/F505H -EM	600.00
EMP003-1	Advanced functionality package, F105/F305/F505/F505H -EM	1,575.00
EMP-COMP-1	Complete options package, F105/F305/F505/F505H -EM	5,880.00
F755-EM	Test frame with EasyMESUR® control panel, vertical, 750 lbF / 3.4 kN	9,200.00
F755S-EM	Test frame with EasyMESUR® control panel, vertical, short, 750 lbF / 3.4 kN	8,625.00
F1505-EM	Test frame with EasyMESUR® control panel, vertical, 1,500 lbF / 6.7 kN	10,580.00
F1505S-EM	Test frame with EasyMESUR® control panel, vertical, short, 1,500 lbF / 6.7 kN	9,890.00
EMF001-2	Distance measurement function, F755/F755S/F1505/F1505S -EM	1,840.00
EMF002-2	Distance limits function, F755/F755S/F1505/F1505S -EM	690.00
EMF003-2	Preload function, F755/F755S/F1505/F1505S -EM	690.00
EMF004-2	High speed extension, F755/F755S/F1505/F1505S -EM	575.00
EMF005-2	Low speed extension, F755/F755S/F1505/F1505S -EM	575.00
EMF006-2	Cycling function, F755/F755S/F1505/F1505S -EM	750.00
EMF007-2	Break detection function, F755/F755S/F1505/F1505S -EM	750.00
EMF008-2	Load holding function, F755/F755S/F1505/F1505S -EM	750.00
EMF009-2	FollowMe® function, F755/F755S/F1505/F1505S -EM	520.00
EMF010-2	Graphing & reporting function, F755/F755S/F1505/F1505S -EM	1,610.00
EMF011-2	PC control function, F755/F755S/F1505/F1505S -EM	2,185.00
EMP001-2	Distance measurement package, F755/F755S/F1505/F1505S -EM	3,050.00
EMP002-2	Speed extension package, F755/F755S/F1505/F1505S -EM	1,090.00
EMP003-2	Advanced functionality package, F755/F755S/F1505/F1505S -EM	2,645.00
EMP-COMP-2	Complete options package, F755/F755S/F1505/F1505S -EM	9,775.00

**Motorized Test Stands**  
Produce consistent speed.  
Configurable speed, cycling, travel  
measurement, PC control, & more.



TSTM-DC



TSTMH-DC

### MOTORIZED TEST STANDS & LEGACY TEST STAND OPTIONAL FUNCTIONS

TSTM-DC	Advanced test stand, torque, motorized, 100 lbFin / 11.5 Nm, vertical	8,500.00
TSTMH-DC	Advanced test stand, torque, motorized, 100 lbFin / 11.5 Nm, horizontal	8,500.00
TSTM-DC-1	Advanced test stand, torque, motorized, 200 lbFin / 22 Nm, vertical	9,475.00
TSTMH-DC-1	Advanced test stand, torque, motorized, 200 lbFin / 22 Nm, horizontal	9,475.00
TSTM-DC-2	Advanced test stand, torque, motorized, 100 lbFin / 11.5 Nm, 60 RPM max, vertical	9,200.00
TSTMH-DC-2	Advanced test stand, torque, motorized, 100 lbFin / 11.5 Nm, 60 RPM max, horizontal	9,200.00
SP-2496	Torque capacity upgrade for TSTM(H)-DC, 200 lbFin / 22 Nm, retrofit	920.00
SP-2624	Speed range upgrade for TSTM(H)-DC, 60 RPM max, retrofit	690.00
TST002	Integrated angle encoder for TSTM(H)-DC, retrofit	690.00
SP-2736-12	Column extension, 12 in. / 305 mm, TSTM-DC / TSTMH-DC	360.00
SP-2736-24	Column extension, 24 in. / 610 mm, TSTM-DC / TSTMH-DC	550.00
SP-2736-42	Column extension, 42 in. / 1065 mm, TSTM-DC / TSTMH-DC	855.00

*Series ESM test stands are discontinued as of 2024, however, optional functions are still available for existing systems.  
Consider EasyMESUR for new requirements.*

#### Optional Functions for Legacy Models ESM303 / ESM303H

AF008	FollowMe® force-based manual positioning	315.00
AF009	Travel indication with USB output	1,150.00
AF010	Computer control via USB	1,150.00
AF011	Programmable travel set points	315.00
AF012	Integrated overload protection	315.00
AF013	Auto return	220.00
AF014	Cycling / dwell time	315.00
AF016	Independent up and down speeds	190.00
AF017	Extended speed range, low	220.00
AF018	Extended speed range, high	220.00
AF019	Break detection	220.00
AF020	Load holding	495.00
AF021	Preload / sample touch	315.00
AF022	Profiles	630.00
AFCOMP	Complete options package for ESM303	4,540.00
AFCOMP-H	Complete options package for ESM303H	4,540.00

#### Optional Functions for Legacy Models ESM1500 / ESM750

SF008	FollowMe® force-based manual positioning	565.00
SF009	Travel indication with USB output, ESM1500 / ESM750	1,985.00
SF009-1	Travel indication with USB output, ESM1500S / ESM750S	1,525.00
SF010	Computer control via USB	1,165.00
SF011	Programmable travel set points	940.00
SF012	Integrated overload protection	820.00
SF013	Auto return	560.00
SF014	Cycling / dwell time	820.00
SF016	Independent up and down speeds	505.00
SF017	Extended speed range, low	560.00
SF018	Extended speed range, high, ESM1500 / ESM1500S	560.00
SF018-1	Extended speed range, high, ESM750 / ESM750S	560.00
SF019	Break detection	560.00
SF020	Load holding	825.00
SF021	Preload / sample touch	690.00
SF022	Profiles	940.00
SFCOMP	Complete options package for ESM1500 / ESM750	6,835.00
SFCOMP-1	Complete options package for ESM1500S / ESM750S	6,425.00



**Manual Test Stands**

Produce more consistent results than hand testing. Economical alternatives to motorized stands.

**MANUAL TEST STANDS**

ES05	Test stand, lever-operated, 30 lbF / 150 N	660.00
ES10	Test stand, lever-operated, 100 lbF / 500 N	660.00
ES20	Test stand, hand wheel-operated, 100 lbF / 500 N	775.00
ES001	Dial indicator kit for ES10/ES20, 1"	170.00
ES002	Digital indicator kit for ES10/ES20, 1" / 25 mm	390.00
ES001NI	Set of brackets for indicator w/ 9.5 mm dia. stem, indicator not included	140.00
ES001NI-8MM	Set of brackets for indicator w/ 8 mm dia. stem, indicator not included	140.00
AC1060	Base plate with matrix of threaded holes	90.00
ES30	Test stand, hand wheel-operated, 200 lbF / 1 kN	1,100.00
ESM001	Digital travel display for ES30, 6" / 150 mm	890.00
ESM004	Digital travel display for ES30, 12" / 300 mm	1,725.00
ESM003-1	Column extension for ES30, 6" / 150 mm	180.00
ESM003-2	Column extension for ES30, 12" / 300 mm	210.00
ESM003-3	Column extension for ES30, 24" / 600 mm	240.00
TSA750	Test stand, lever-operated, 750 lbF / 3.75 kN, vertical	1,185.00
TSA750H	Test stand, lever-operated, 750 lbF / 3.75 kN, horizontal/wall mount	1,185.00
TSA001	Digital travel display for TSA750/TSA750H/TSB100, 6" / 150 mm	785.00
TSA002	Horizontal/wall mounting kit for TSA750/TSB100/TSC1000	180.00
TSA003	Table assembly for TSA750/TSA750H	240.00
TSB100	Test stand, lever-operated, 100 lbF / 500 N, vertical	945.00
TSB003	Travel stops kit for TSB100	110.00
TSC1000	Test stand, hand wheel-operated, 1000 lbF / 4.5 kN, vertical	1,640.00
TSC1000H	Test stand, hand wheel-operated, 1000 lbF / 4.5 kN, horizontal/wall mount	1,640.00
TSC001	Digital travel display for TSC1000/TSC1000H, 6" / 150 mm	780.00
TSF	Test stand, hand wheel-operated, 1000 lbF / 4.5 kN, vertical	2,500.00
TSFH	Test stand, hand wheel-operated, 1000 lbF / 4.5 kN, horizontal	2,500.00
TSF001	Digital travel display for Series TSF stands, 6" / 150 mm	890.00
TST	Test stand, torque, hand wheel-operated, 100 lbFin / 11.5 Nm, vertical	3,250.00
TSTH	Test stand, torque, hand wheel-operated, 100 lbFin / 11.5 Nm, horizontal	3,250.00
TST001	Digital angle display for TST(H), 110V	1,135.00
TSF002	Horizontal/wall mounting kit for Series TSF and TST stands	245.00
SP-2734-12	Column extension, 12" / 305 mm, TSB100 / TSA750 / TSA750H / TSC1000 / TSC1000H	220.00
SP-2734-24	Column extension, 24" / 610 mm, TSB100 / TSA750 / TSA750H / TSC1000 / TSC1000H	280.00
SP-2734-42	Column extension, 42" / 1065 mm, TSB100 / TSA750 / TSA750H / TSC1000 / TSC1000H	385.00
SP-2735-12	Column extension, 12" / 305 mm, TSF/TSFH	280.00
SP-2735-24	Column extension, 24" / 610 mm, TSF/TSFH	410.00
SP-2735-42	Column extension, 42" / 1065 mm, TSF/TSFH	610.00
SP-2736-12	Column extension, 12" / 305 mm, TST/TSTH	360.00
SP-2736-24	Column extension, 24" / 610 mm, TST/TSTH	550.00
SP-2736-42	Column extension, 42" / 1065 mm, TST/TSTH	855.00

**Ergonomics Force Gauges & Kits**

For muscle strength and job task analysis. Available as individual gauges and components, or

**ERGONOMICS FORCE GAUGES & KITS**

EK3-100	Basic ergonomics testing kit w/Series 3 force gauge, 100 lbF / 500 N	1,140.00
EK3-200	Basic ergonomics testing kit w/Series 3 force gauge, 200 lbF / 1000 N	1,140.00
EK3-500	Basic ergonomics testing kit w/Series 3 force gauge, 500 lbF / 2500 N	1,140.00
ME-100	Ergonomics force gauge, 100 lbF / 500 N	1,120.00
ME-200	Ergonomics force gauge, 200 lbF / 1000 N	1,120.00
ME-500	Ergonomics force gauge, 500 lbF / 2500 N	1,120.00
E1000	Carrying case, small, Series E	200.00
E1001	Carrying case, large, Series E	285.00
E1002	Padded attachment, square, Series E	85.00
E1003	Padded attachment, rectangular, Series E	95.00
E1004	Padded attachment, curved, Series E	105.00
E1005	Padded attachment, circular, Series E	135.00
E1006	Snap hook, Series E	125.00
E1007	Snap hook / chain assembly, Series E	110.00
E1008	Single handle grip, Series E	110.00
E1009	Double handle grip, Series E	170.00
E1010	Pistol grip, Series E	285.00
E1011	Grip adapter, Series E	55.00
E1012	Looped cable, Series E	50.00
E1013	Myometer accessory, Series E	310.00
EKE-100-1	Advanced ergonomics testing kit w/Series E force gauge, 100 lbF / 500 N	1,570.00
EKE-200-1	Advanced ergonomics testing kit w/Series E force gauge, 200 lbF / 1000 N	1,570.00
EKE-500-1	Advanced ergonomics testing kit w/Series E force gauge, 500 lbF / 2500 N	1,570.00
EKE-100-2	Professional ergonomics testing kit w/Series E force gauge, 100 lbF / 500 N	2,130.00
EKE-200-2	Professional ergonomics testing kit w/Series E force gauge, 200 lbF / 1000 N	2,130.00
EKE-500-2	Professional ergonomics testing kit w/Series E force gauge, 500 lbF / 2500 N	2,130.00
EKM5-200	Myometer kit, 200 lbF / 1000 N	1,750.00



## GRIPS

	G1001	Wire terminal grip, 0" - 0.125" opening, 5/16-18F	325.00
	G1001-1	Wire terminal grip, 0.125" - 0.250" opening, 5/16-18F	325.00
	G1001-2	Wire terminal grip, 0.250" - 0.375" opening, 5/16-18F	325.00
	G1002	Dual roller grip, 0 - 0.22" opening, #10-32F	265.00
	G1003	Miniature component grip, #10-32F	200.00
	G1008	Film and paper grip, 1.25" wide, #10-32F	300.00
	G1009	Compression plate, 2" dia., #10-32F	55.00
	G1009-1	Compression plate, 3" dia., 5/16-18F	90.00
	G1009-2	Compression plate, 2" dia. with vented channels, #10-32F	80.00
	G1009-3	Compression plate, 3" dia. with vented channels, 5/16-18F	120.00
	G1010	Pin vise, 0.062" - 0.375" dia., #10-32F	120.00
	G1010-1	Pin vise, 0.028" - 0.25" dia., #10-32F	120.00
	G1010-2	Pin vise, 0.078" - 0.5" dia., #10-32F	120.00
	G1011	Rubber tip, #10-32F	45.00
	G1013	Parallel jaw grip, 5/16-18F	255.00
	G1014A	Needle replacement kit	120.00
	G1015-1	Film and paper grip, 3" wide, #10-32F	375.00
	G1015-2	Film and paper grip, 5" wide, #10-32F	395.00
	G1015-3	Film and paper grip, 7" wide, #10-32F	425.00
	G1016-1	Jacobs chuck for R51, 0.028" - 0.25" dia.	165.00
	G1016-2	Jacobs chuck for R51, 0.062" - 0.375" dia.	170.00
	G1016-3	Jacobs chuck for R51, 0.078" - 0.5" dia.	175.00
	G1017	Bit holder for R51, 1/4" hex	175.00
	G1019	Padded attachment, square, 5/16-18F	55.00
	G1020	Padded attachment, rectangular, 5/16-18F	75.00
	G1021	Padded attachment, curved, 5/16-18F	95.00
	G1022-1	Jacobs chuck grip for Series TST stands, 0.028" - 0.25" dia.	215.00
	G1022-2	Jacobs chuck grip for Series TST stands, 0.062" - 0.375" dia.	240.00
	G1022-3	Jacobs chuck grip for Series TST stands, 0.078" - 0.5" dia.	265.00
	G1023	Bottle grip for Series TST stands, 0.050" - 6.000" dia.	595.00
	G1046	Pneumatic grip, #10-32F	715.00
	G1053	Universal V-jaw grip, hex / #10-32F	385.00
	G1056	Multi-jaw grip, #10-32F	350.00
	G1058	Cap grip, hex / #10-32F	475.00
	G1061	Wedge grip, 0.75" jaw width, 1/2-20F	690.00
	G1061-1	Wedge grip, 0.375" jaw width, 5/16-18F	620.00
	G1061-2	Wedge grip, 1" jaw width, 1/2-20F	755.00
	G1061-3	Wedge grip, 1" jaw width, rubber jaw faces, 1/2-20F	755.00
	G1062	Miniature wedge grip, #10-32F	335.00
	G1071	Score bend fixture set	530.00
	G1072	Opening force fixture set	480.00
	G1074	Vise grip, standard	370.00
	G1076	Wire terminal grip, turret style, 5/16-18F	495.00
	G1077	Clevis grip, 5/16-18F	145.00
	G1078	Miniature filament grip, #10-32F	350.00
	G1085	Dual roller grip, adjustable, 5/16-18F	475.00
	G1086	Coefficient of friction fixture	1,785.00
	G1087	Compression plate, 3.78" dia., eye end	250.00
	G1087-1	Compression plate, 2.20" dia., eye end	120.00
	G1089	Syringe fixture	1,135.00
	G1090	High capacity clevis grip, eye end	385.00
	G1092	High capacity wire / rope grip, eye end	960.00
	G1093	High capacity wire terminal grip, eye end	1,590.00
	G1094	High capacity eccentric roller grip, eye end	1,135.00
	G1095	Bend fixture, eye end	950.00
	G1096	High capacity bend fixture, eye end	1,300.00
	G1097	Upper anvil for bend fixtures, eye end	180.00
	G1098	Loop tack fixture, 5/16-18F	980.00
	G1099	Puncture fixture	185.00
	G1100	Parallel jaw grip, large, eye end	710.00
	G1101	Parallel jaw grip, medium, eye end	390.00
	G1102	Wire / rope grip, large, eye end	710.00
	G1103	Wire / rope grip, medium, eye end	455.00
	G1104	Flip cap grip, #10-32F	180.00
	G1105	Cork extraction fixture	1,430.00
	G1106	Vise grip, self-centering	890.00
	G1107	Snap hook, 5/16-18F	130.00
	G1109	90° peel fixture	2,140.00
	G1110	Puncture fixture, eye end	2,915.00
	G1111	Ribbon grip, eye end	860.00
	G1112	Padded attachment, circular, 3" dia., 5/16-18F	105.00
	G1122-1	Food texture probe, 5/16" dia.	200.00
	G1122-2	Food texture probe, 7/16" dia.	200.00
	G1123	Compression plate, self leveling	1,010.00



## ATTACHMENTS

AC1082	Stud / jam nut set, #10-32	10.00
AC1082-1	Stud / jam nut set, 5/16-18	10.00
AC1082-2	Stud / jam nut set, 1/2-20	10.00
G1018-1	Swivel adapter, #10-32M to #10-32F	70.00
G1018-2	Swivel adapter, 5/16-18M to 5/16-18F	70.00
G1024	Extension rod, 5", #10-32M/F	20.00
G1024-1	Extension rod, 2", #10-32M/F	20.00
G1024-2	Extension rod, 1", #10-32M/F	20.00
G1025	Chisel point, #10-32F	20.00
G1026	Cone point, #10-32F	20.00
G1027	V-groove, #10-32F	20.00
G1028	Hook, small, #10-32F	20.00
G1029	Flat head, #10-32F	20.00
G1030	Adapter, 5/16-18M to #10-32F	20.00
G1031	Extension rod, 5", 5/16-18M/F	25.00
G1031-1	Extension rod, 2", 5/16-18M/F	25.00
G1031-2	Extension rod, 1", 5/16-18M/F	25.00
G1032	Chisel point, 5/16-18F	25.00
G1033	Cone point, 5/16-18F	25.00
G1034	V-groove, 5/16-18F	25.00
G1035	Hook, large, 5/16-18M	25.00
G1036	Flat head, 5/16-18F	25.00
G1037	Coupling, 5/16-18F/F	20.00
G1038	Hook, medium, #10-32M	15.00
G1039	Coupling, #10-32F/F	15.00
G1040	Adapter, 5/16-18M to 5/16-18M	20.00
G1041	Adapter, 5/16-18M to 1/2-20M	20.00
G1042	Hook, extra large, 1/2-20M	30.00
G1044	Adapter plate for TSF/TST, 1/2-20F	55.00
G1047	Adapter, #10-32M to M4F	20.00
G1048	Adapter, M4M to #10-32F	20.00
G1049	Adapter, M6M to 5/16-18F	20.00
G1050	Adapter, #4-40M to #10-32F	20.00
G1051	Adapter, #4-40M to #10-32M	20.00
G1054	Adapter, #10-32F to M6M	20.00
G1055	Adapter, G1053 to force test stand	55.00
G1057	Adapter, M6F to #10-32F	20.00
G1059	Adapter, 5/16-18F to 1/2-20F	20.00
G1060	Adapter, #10-32M to #10-32M	20.00
G1063	Adapter, #10-32M to 5/16-18F	20.00
G1066	Adapter, 5/16-18F to 1/2-20M	20.00
G1067	Adapter, 1/2-20M to #10-32F	20.00
G1068	Adapter, G1023 to G1045	80.00
G1069	Adapter, 5/16-18F to 1/4-28M	20.00
G1091	Coupling, 1/2-20F/F	20.00
G1113	Adapter, M3M to #4-40F	20.00

**Eye End Adapters**

Prevent grip rotation, and facilitate quick change. Available as components or kits. Compatible with most third party fixtures with 0.625" (Ø15.9 mm) mounting.

**EYE END ADAPTERS**

G1079	Lock ring	22.00
G1080	Anchor pin	22.00
G1081	Eye end, #10-32M	32.00
G1081-1	Eye end, 5/16-18M	32.00
G1081-2	Eye end, 1/2-20M	32.00
G1081-3	Eye end, 1/4-28M	32.00
G1082	Eye end, #10-32F	32.00
G1082-1	Eye end, 5/16-18F	32.00
G1083	Eye end adapter, #10-32M	32.00
G1083-1	Eye end adapter, 5/16-18M	32.00
G1083-2	Eye end adapter, 1/2-20M	32.00
G1084	Washer, 0.20" ID	22.00
G1084-1	Washer, 0.32" ID	22.00
G1084-2	Washer, 0.51" ID	22.00
G1088	Spanner wrench	60.00
G1114-1	Eye end adapter, Instron-compatible, #10-32M	195.00
G1114-8	Eye end adapter, Instron-compatible, 5/16-18M	195.00
G1114-9	Eye end adapter, Instron-compatible, 1/2-20M	195.00
G1116-1	Eye end adapter, Instron-compatible, 0.23" dia.	195.00
G1116-3	Eye end adapter, Instron-compatible, 0.47" dia.	195.00
AC1047	Base / load cell adapter kit, #10-32M	85.00
AC1047-1	Base / load cell adapter kit, 5/16-18M	85.00
AC1047-2	Base / load cell adapter kit, 1/2-20M	85.00
AC1047-3	Base / load cell adapter kit, 1/4-28M	85.00
AC1047-4	Load cell adapter, Series R03, #10-32M	100.00
AC1046	Grip adapter kit, #10-32M	50.00
AC1046-1	Grip adapter kit, 5/16-18M	50.00
AC1046-2	Grip adapter kit, 1/2-20M	50.00
AC1045	Force gauge adapter kit, #10-32F	105.00
AC1045-1	Force gauge adapter kit, 5/16-18F	105.00
AC1045-2	Force gauge adapter kit, 1/2-20M	105.00
AC1088-1	Grip adapter kit, eye end, Instron-compatible, #10-32M	235.00
AC1088-8	Grip adapter kit, eye end, Instron-compatible, 5/16-18M	235.00
AC1088-9	Grip adapter kit, eye end, Instron-compatible, 1/2-20M	235.00
AC1090-1	Eye end adapter kit, Instron-compatible, 0.23" dia.	235.00
AC1090-3	Eye end adapter kit, Instron-compatible, 0.47" dia.	235.00

**CABLES & COMMUNICATION ADAPTERS**

AC1116	Cable, USB, type A to C, EasyMESUR control panel to PC	30.00
AC1114	Multi-function cable, Series 7/5/4 to ESM303 test stand	135.00
AC1115	Multi-function cable, Series 7/5 to ESM303H test stand	135.00
AC1108	Multi-function cable, Series 7/5/4 to ESM301(L) / DC controller	135.00
AC1107	Cable, USB, type A to B, test frame to PC	30.00
AC1109	Cable, serial, Series 7/5/4 to RS-232 DB-9	80.00
AC1110	Cable, Series 5/4 to Mitutoyo SPC	80.00
AC1111	Cable, USB, type A to micro, Series 7/5/4/3 to PC	30.00
AC1112	Cable, analog, Series 7/5/4	80.00
AC1104	Serial cable, test stand controller to PC	30.00
AC1113	Cable, set point/overload, Series 7/5/4 to basic motorized test stand	200.00
AC1105	Cable, Mitutoyo	80.00
RSU100	Communication adapter, RS-232 to USB	135.00
MU100	Adapter, Mitutoyo to USB, 6' cable length (replaces MRS100A-RSU100 combination)	350.00

**LEGACY CABLES**

AC1101	Cable, legacy instrument to Mitutoyo SPC	80.00
AC1102	Cable, serial, legacy instrument to PC DB-9	80.00
AC1103	Cable, analog, legacy instrument to dual banana plug	80.00
AC1106	Multi-function cable, legacy instrument to test stand controller	135.00

**SOFTWARE**

MESUR<sup>®</sup>gauge is no longer available as of 2024. Consider MESUR<sup>®</sup>gauge Plus instead.



15-1005	MESUR <sup>®</sup> gauge Plus	710.00
15-1005-5	MESUR <sup>®</sup> gauge Plus, 5 licenses	2,810.00
15-1019	IntelliMESUR <sup>®</sup> software, customer installation on a Windows device, additional seat	7,025.00

## ACCESSORIES &amp; RELATED ITEMS

	AC1119	Prong, US	5.00
	AC1120	Prong, EUR	5.00
	AC1121	Prong, UK	5.00
	AC1122	Prong, AUS	5.00
	AC1118	Replacement battery, 8.4V NiMH	20.00
	AC1123	Chuck key, for 1/2" Jacobs chucks, size KK	10.00
	AC1124	Chuck key, for 1/4" & 3/8" Jacobs chucks, size KGA	10.00
	AC1002	Handle grip for Series 7/5/4 gauges, double grip	145.00
	AC1002-1	Handle grip for Series 7/5/4 gauges, single grip	135.00
	AC1003	Handle grip for Series 2/3 gauges, double grip	120.00
	AC1003-1	Handle grip for Series 2/3 gauges, single grip	100.00
	AC1004	Mounting kit, indicator/TT03 to Series TS stands	100.00
	AC1006	Mounting kit, R52, table top	75.00
	AC1007	Mounting kit, R51/TT03, table top	125.00
	AC1010	Mounting kit, MR55-200/400, table top	125.00
	AC1014	Jacobs chuck for R52, 0.062"-0.375" dia.	175.00
	AC1014-1	Jacobs chuck for R52, 0.028"-0.25" dia.	175.00
	AC1015	Mounting kit, R51 to Series TST stands	75.00
	AC1016	Mounting kit, MR55-200 - MR55-400 to Series TST stands	75.00
	AC1016-1	Mounting kit, MR55-20 - MR55-100 to Series TST stands	75.00
	AC1018	Mounting kit, R01/R03 to test stand	120.00
	AC1019	Air connection kit for G1046	265.00
	AC1020	Gauge mounting kit, Chatillon DFE/DFS/DFX to ESM303/ES10/ES20/ES30	110.00
	AC1021	Gauge mounting kit, Chatillon DFM to ESM303/ES10/ES20/ES30	110.00
	AC1022	Gauge mounting kit, Chatillon DFIS to ESM303/ES10/ES20/ES30	110.00
	AC1023	Gauge mounting kit, Mecmesin AFG/BFG to ESM303/ES10/ES20/ES30	110.00
	AC1024	Gauge mounting kit, Imada to ESM303/ES10/ES20/ES30	110.00
	AC1025	Gauge mounting kit, Shimpo FGV/FGE to ESM303/ES10/ES20/ES30	110.00
	AC1029	Axial compensator	230.00
	AC1030	AC adapter/charger, 110V US	45.00
	AC1031	AC adapter/charger, 220V Europe	45.00
	AC1032	AC adapter/charger, 220V UK	45.00
	AC1035	AC adapter/charger, 220V Australia	45.00
	AC1036	Calibration kit for TT01 (weights not included)	760.00
	AC1037	Gauge mounting kit, Chatillon DFE/DFS/DFX to TSA750/TSC1000/TSF	110.00
	AC1038	Gauge mounting kit, Chatillon DFM to TSA750/TSC1000/TSF	110.00
	AC1039	Gauge mounting kit, Chatillon DFIS to TSA750/TSC1000/TSF	110.00
	AC1040	Gauge mounting kit, Mecmesin AFG/BFG to TSA750/TSC1000/TSF	110.00
	AC1041	Gauge mounting kit, Imada to TSA750/TSC1000/TSF	110.00
	AC1042	Gauge mounting kit, Shimpo FGV/FGE to TSA750/TSC1000/TSF	110.00
	AC1044	Maintenance kit for G1046	110.00
	AC1049	Calibration kit for WT3-201/WT3-201M (weights not included)	1,000.00
	AC1051	Footswitch for Series 7 / Model M71	205.00
	AC1052	Mounting plate, Mark-10 gauges, 0.12 - 500 lbf (0.5 to 2,500 N) capacities	60.00
	AC1053	Set of 4 blanks for G1089 syringe fixture	175.00
	AC1058	Mounting plate, Mark-10 gauges, 0.12 - 2,000 lbf (2,500 - 5,000 N) capacities	90.00
	AC1061	Gauge mounting kit, Mark-10 gauges to Chatillon TCD/TCM/LTCM	90.00
	AC1062	Mounting kit, indicator / load cell to ESM303	265.00
	AC1064	Load cell mounting hardware kit for ESM303	60.00
	AC1065	Load cell mounting hardware kit for ESM1500/ESM750	100.00
	AC1067	Supports for bend fixtures, 1 mm, set of 4	90.00
	AC1067-1	Supports for bend fixtures, 2 mm, set of 4	90.00
	AC1067-2	Supports for bend fixtures, 5 mm, set of 4	90.00
	AC1067-3	Supports for bend fixtures, 10 mm, set of 4	90.00
	AC1068	Test strips for G1098, set of 3	175.00
	AC1069	Gauge mounting kit, Mark-10 gauges to Mecmesin test stands	90.00
	AC1070-1	Jaws for G1100, 2.36" length, set of 2 (included with G1100)	335.00
	AC1070-2	Jaws for G1100, 3.94" length, set of 2	380.00
	AC1071-1	Jaws for G1101, 1.18" length, set of 2 (included with G1101)	140.00
	AC1071-2	Jaws for G1101, 1.97" length, set of 2	210.00
	AC1071-3	Jaws for G1101, 3.15" length, set of 2	285.00
	AC1071-4	Jaws for G1101, 3.94" length, set of 2	330.00
	AC1073-1	Inline adapter, Series 3/2 force gauges	120.00
	AC1073-2	Inline adapter, Series 7/5/4 force gauges	155.00
	AC1073-3	Inline adapter, Series E force gauges	155.00
	AC1074	Remote emergency switch	295.00
	AC1076-1	Mounting posts, G1086 peel fixture for F755 / F755S test frames, set of 2	60.00
	AC1076-2	Mounting posts, G1086 peel fixture for F1505 / F1505S test frames, set of 2	60.00
	AC1077	Connector covers kit, Series TT01 torque testers	25.00
	AC1078	Adjustable angle pulley adapter, G1109 peel fixture	450.00
	AC1079	Adjustable angle mount, G1109 peel fixture	525.00
	AC1080	Adapter, G1023 / G1058 grips to G1109 peel fixture	150.00
	AC1083	Adapter, FS05 sensor / PTAF adapter to Plug & Test® connector, 10 in / 250 mm cable	415.00
	AC1084	Extension cable, 48 in / 1,220 mm, Plug & Test®, male/female	415.00
	AC1087	Adapter, G1109 to ESM1500 / ESM750	175.00
	AC1092-1	Shield, 51.9" height	3,810.00
	AC1092-2	Shield, 34.4" height	2,810.00
	AC1092-3	Shield, 51.9" height, ESM303 test stand with column extension up to 24"	3,360.00
	AC1092-4	Shield, 34.4" height, ESM303 test stand	2,370.00
	AC1093	USB hub	295.00



AC1094-1



AC1100

AC1094-1	Single column extension, 6" / 150 mm, F105 / F305 / F505 / ESM303 / ESM303H	440.00
AC1094-2	Single column extension, 12" / 300 mm, F105 / F305 / F505 / ESM303 / ESM303H	610.00
AC1094-3	Single column extension, 24" / 600 mm, F105 / F305 / F505 / ESM303 / ESM303H	770.00
AC1094-4	Single column extension, 6" / 150 mm, F505H	440.00
AC1094-5	Single column extension, 12" / 300 mm, F505H	610.00
AC1094-6	Single column extension, 24" / 600 mm, F505H	770.00
AC1095-1	Double column extension, 6" / 150 mm, F105 / F305 / F505 / ESM303	1,925.00
AC1095-2	Double column extension, 12" / 300 mm, F105 / F305 / F505 / ESM303	2,200.00
AC1095-3	Double column extension, 24" / 600 mm, F105 / F305 / F505 / ESM303	2,472.00
AC1096	Kit, base plate w/threaded holes, F105 / F305 / F505	105.00
AC1100	Stand, tabletop, indicator/torque gauge	175.00
AC1126 *	AC adapter, USB hub, 110V	60.00
AC1130 *	Calibration kit, inversion plate, F105 / F305 / F505 (weights not included)	850.00

### SERVICES

SVC001	Calibration, force or torque measuring instrument, with NIST certificate with data	260.00
SVC006	Load cell replacement & calibration, force gauge / TT01 / TT02 / TT05, w/NIST cert w/data	450.00
SVC008	Sensor replacement & calibration, torque gauge / sensor, with NIST certificate with data	610.00
SVC013	Non-warranty repair, force or torque measuring instrument (excluding sensor replacement)	240.00
SVC011	Evaluation fee (if quoted repair charge is refused)	95.00
CERT	NIST-traceable certificate of calibration w/data, force & torque instruments (included w/some instruments)	85.00
CERT-DS	NIST-traceable certificate of calibration w/data, Series F test frames, distance & speed	395.00

### TERMS & CONDITIONS

- All prices are in US dollars

• Terms: Prepaid or 1% 10 days Net 30 with approved credit. Visa, MasterCard and American Express cards are accepted. Orders from outside the US must be prepaid via electronic transfer or credit card.

• Incoterms: FOB Copiague, NY USA

• Warranty: Three (3) years. See individual warranty statements for details.

• All standard items are returnable within 30 days of shipping. Full credit, less shipping/handling charges, will be issued, provided the merchandise is in original condition.