





FOR SCREEN MASK

PROTEC®

TENSION GAUGE 75 SERIES

MODEL STG-75M/75D

High performance with minimum detection of 0.01mm. Best for large and demanding screen measurements. The swift and accurate measurement meets strict cutting-edge requirements.

<p>STG-75M Analogue type (Display Metric scale only)</p> 	<p>■ Features:</p> <p>Our original design and still the best. The most trusted tension gauge in the screen printing industry. Its long-established success is proof of reliability, accuracy and good design.</p> <p>◀ Large range of measurement scale ▶ With large measuring range (0.01~10mm), it is so versatile and especially useful for measuring high-tension, larger-sized material e.g. Tetoron and stainless mesh.</p> <p>◀ Reliable measurement result Precision engineered and with a high performance dial gauge, it produces highly accurate results.</p> <p>Data control system achieved ▶ When connected to a printer, it can provide a permanent record of all the tension measurements, OK/NG test results, and various data operations (e.g produce histograms).</p>	<p>STG-75D Digital type (Display Metric scale only)</p> 
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■ **Main specification**

Subject/model	STG-75M	STG-75D
Usage	Industrial /commercial screen mask	
Display	Analogue display	Digital display
Data output	None	With output terminal
Conversion values	Available	
Minimum detection	0.01mm	0.01mm
Directionality of measurement	Yes	
Length between feet	90mm	
G-force (gf)	1,080	
Form of measuring head	semicircle	
Power source	Unnecessary	One silver oxide battery
Weight (g)	1,272	1,280
Option		Printer DP-1VR connecting cable

■ **Option for digital type:**
Printer /DP-1VR



* Specifications and design details may be subject to change. C-No. E100819M

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for more information:

Conversion table of STG-NA series to Newton values

Revised on 2013/12/24

PROTEC made		"T" made	PROTEC made		"T" made	PROTEC made		"T" made	PROTEC made		"T" made
75NA 75M 75D (mm)	80NA 80D (mm)	(N/cm)	75NA 75M 75D (mm)	80NA 80D (mm)	(N/cm)	75NA 75M 75D (mm)	80NA 80D (mm)	(N/cm)	75NA 75M 75D (mm)	80NA 80D (mm)	(N/cm)
0.41	0.11		1.05	0.25	26	1.69	0.38		2.31	0.51	
0.42	0.12		1.06	0.25		1.70	0.38		2.32	0.51	
0.43	0.12		1.07	0.25		1.71	0.38		2.33	0.51	
0.44	0.12		1.08	0.25		1.72	0.38		2.34	0.51	
0.45	0.12		1.09	0.26		1.73	0.39		2.35	0.51	
0.46	0.13		1.10	0.26		1.74	0.39		2.36	0.52	
0.47	0.13		1.11	0.26		1.75	0.39	15	2.37	0.52	
0.48	0.13		1.12	0.26		1.76	0.39		2.38	0.52	
0.49	0.13		1.13	0.26	24	1.77	0.40		2.39	0.52	
0.50	0.13		1.14	0.27		1.78	0.40		2.40	0.52	
0.51	0.14		1.15	0.27		1.79	0.40		2.41	0.53	
0.52	0.14		1.16	0.27		1.80	0.40		2.42	0.53	
0.53	0.14		1.17	0.27		1.81	0.40		2.43	0.53	
0.54	0.14		1.18	0.27		1.82	0.41		2.44	0.53	
0.55	0.14	50	1.19	0.28		1.83	0.41		2.45	0.54	10
0.56	0.15		1.20	0.28		1.84	0.41		2.46	0.54	
0.57	0.15		1.21	0.28		1.85	0.41	14	2.47	0.54	
0.58	0.15	48	1.22	0.28		1.86	0.41		2.48	0.54	
0.59	0.15		1.23	0.28	22	1.87	0.42		2.49	0.54	
0.60	0.15	46	1.24	0.29		1.88	0.42		2.50	0.55	
0.61	0.16		1.25	0.29		1.89	0.42		2.51	0.55	
0.62	0.16		1.26	0.29		1.90	0.42		2.52	0.55	
0.63	0.16	44	1.27	0.29		1.91	0.42		2.53	0.55	
0.64	0.16		1.28	0.29		1.92	0.43		2.54	0.55	
0.65	0.16		1.29	0.30		1.93	0.43		2.55	0.56	
0.66	0.17	42	1.30	0.30		1.94	0.43		2.56	0.56	
0.67	0.17		1.31	0.30		1.95	0.43		2.57	0.56	
0.68	0.17		1.32	0.30		1.96	0.43		2.58	0.56	
0.69	0.17	40	1.33	0.30		1.97	0.44		2.59	0.56	
0.70	0.17		1.34	0.31	20	1.98	0.44	13	2.60	0.57	
0.71	0.18		1.35	0.31		1.99	0.44		2.61	0.57	
0.72	0.18	38	1.36	0.31		2.00	0.44		2.62	0.57	
0.73	0.18		1.37	0.31		2.01	0.44		2.63	0.57	
0.74	0.18		1.38	0.31		2.02	0.45		2.64	0.57	
0.75	0.18		1.39	0.32		2.03	0.45		2.65	0.58	
0.76	0.19	36	1.40	0.32		2.04	0.45		2.66	0.58	9
0.77	0.19		1.41	0.32	19	2.05	0.45		2.67	0.58	
0.78	0.19		1.42	0.32		2.06	0.45		2.68	0.58	
0.79	0.19		1.43	0.33		2.07	0.46		2.69	0.58	
0.80	0.20		1.44	0.33		2.08	0.46		2.70	0.59	
0.81	0.20	34	1.45	0.33		2.09	0.46		2.71	0.59	
0.82	0.20		1.46	0.33		2.10	0.46		2.72	0.59	
0.83	0.20		1.47	0.33		2.11	0.47		2.73	0.59	
0.84	0.20		1.48	0.34	18	2.12	0.47	12	2.74	0.59	
0.85	0.21		1.49	0.34		2.13	0.47		2.75	0.60	
0.86	0.21	32	1.50	0.34		2.14	0.47		2.76	0.60	
0.87	0.21		1.51	0.34		2.15	0.47		2.77	0.60	
0.88	0.21		1.52	0.34		2.16	0.48		2.78	0.60	
0.89	0.21		1.53	0.35		2.17	0.48		2.79	0.61	
0.90	0.22		1.54	0.35		2.18	0.48		2.80	0.61	
0.91	0.22	30	1.55	0.35		2.19	0.48		2.81	0.61	
0.92	0.22		1.56	0.35	17	2.20	0.48		2.82	0.61	
0.93	0.22		1.57	0.35		2.21	0.49		2.83	0.61	
0.94	0.22		1.58	0.36		2.22	0.49		2.84	0.62	
0.95	0.23		1.59	0.36		2.23	0.49		2.85	0.62	
0.96	0.23		1.60	0.36		2.24	0.49		2.86	0.62	
0.97	0.23	28	1.61	0.36		2.25	0.49		2.87	0.62	
0.98	0.23		1.62	0.36		2.26	0.50		2.88	0.62	
0.99	0.23		1.63	0.37		2.27	0.50	11	2.89	0.63	
1.00	0.24		1.64	0.37		2.28	0.50		2.90	0.63	8
1.01	0.24		1.65	0.37	16	2.29	0.50		2.91	0.63	
1.02	0.24		1.66	0.37		2.30	0.50		2.92	0.63	
1.03	0.24		1.67	0.37							
1.04	0.24		1.68	0.38							

*This table is based on experimental values and a rough standard for conversion purpose.

*This table does not guarantee precision of tension gauge.