



# 700 SERIES LOGGING

**PRECISION LOGGING TAPE**  
THIS HIGH-OUTPUT TAPE OFFERS  
UNPARALLELED PERFORMANCE  
FOR ALL LOGGING APPLICATIONS

## PRODUCT OVERVIEW

Quantegy 700 series logging tape is processed under special conditions to ensure a uniformly coated surface. This unique processing system combined with an exclusive gamma-ferric oxide component, yields a tape that exhibits consistently superior electrical performance from beginning to end. Those hard-to-find qualities also ensure total compatibility with existing logging hardware.

## PRODUCT FEATURES

- Superior uniformity due to stringent process controls
- Uniform electrical performance end-to-end
- Complete compatibility with a wide range of recorders
- Designed to optimize performance and low head wear



# 700 SERIES

## LOGGING

### PRECISION LOGGING TAPE

#### 700 TECHNICAL DATA

	704	705	706
<b>Magnetic Properties</b>			
Coercivity	350 Oe (27.9 kA/m)	350 Oe (27.9 kA/m)	350 Oe (27.9 kA/m)
Retentivity	1400 Gs (140 mT)	1400 Gs (140 mT)	1400 Gs (140 mT)
Erasure Field (60 dB)	1000 Oe (79.7 kA/m)	1000 Oe (79.7 kA/m)	1000 Oe (79.7 kA/m)
<b>Physical Properties</b>			
Standard Width:	0.498" (12.7 mm)	0.498" (12.7 mm)	0.998" (25.5 mm)
Nominal Thickness:			
Base Film (polyester)	800 μ" (20.3 μm)	800 μ" (20.3 μm)	500 μ" (12.7 μm)
Oxide Coating	170 μ" (4.3 μm)	170 μ" (4.3 μm)	170 μ" (4.3 μm)
Backcoating	30 μ" (0.8 μm)	30 μ" (0.8 μm)	30 μ" (0.8 μm)
Total	1000 μ" (25.4 μm)	1000 μ" (25.4 μm)	700 μ" (17.8 μm)
<b>Performance Properties</b>			
<b>Sensitivity</b>			
300 Hz	0.0 ± 1.0 dB	0.0 ± 1.0 dB	0.0 ± 1.0 dB
500 Hz	0.0 ± 1.0 dB	0.0 ± 1.0 dB	0.0 ± 1.0 dB
1000 Hz	0.0 ± 1.0 dB	0.0 ± 1.0 dB	0.0 ± 1.0 dB
2000 Hz	0.0 ± 1.0 dB	0.0 ± 1.0 dB	0.0 ± 1.0 dB
3000 Hz	0.0 ± 1.0 dB	0.0 ± 1.0 dB	0.0 ± 1.0 dB
<b>Backcoat Resistivity</b>			
Maximum Harmonic Distortion	2%	<2 x 10 <sup>8</sup> Ohms/sq	<2 x 10 <sup>8</sup> Ohms/sq
Layer-to-Layer Signal Transfer	40 dB	40 dB	40 dB
Magnetic Layer Material	Gamma Fe <sub>2</sub> O <sub>3</sub>	Gamma Fe <sub>2</sub> O <sub>3</sub>	Gamma Fe <sub>2</sub> O <sub>3</sub>

#### 700 CONFIGURATIONS

Catalog Number	Description	Reel Size		Tape Length		Carton Weight		Carton Quantity
		Inches	mm	Feet	Meters	Lbs	Kgs	
<b>704 Series—Premium 1 MIL Thin Coat (Non-Backcoated)</b>								
704-151411	.25" x 2000', 7" plastic reel	.25 x 7	18	2000	610	31.8	14.43	40
<b>704 Series—Tape For Magnasync TR-1700 &amp; TR-2000 (Non-Backcoated)</b>								
704-2731C1	.5" x 3600', 10.5" NAB reel	.5 x 10.5	27	3600	1097	19.1	8.68	7
704-5731C1	1" x 3600', 10.5" NAB reel	1 x 10.5	27	3600	1097	20.9	9.48	5
<b>705 Series—Premium 1 MIL Thin Coat (Backcoated)</b>								
705-173111	.25" x 3600', 10.5" NAB reel	.25 x 10.5	27	3600	1097	21.8	9.87	10
705-273111	.5" x 3600', 10.5" NAB reel	.5 x 10.5	27	3600	1097	19.8	9.00	7
705-573111	1" x 3600', 10.5" NAB reel	1 x 10.5	27	3600	1097	21.3	9.64	5
705-57RG1Y	1" x 3600', 10.5" precision reel, TapeCare box	1 x 10.5	27	3600	1097	24.3	11.02	5
<b>705 Series—Tape For Racal ICR-64 Recorders</b>								
705-26RV16	.5" x 2420', 8" precision reel	.5 x 8	20	2420	738	22.0	9.98	10
705-56RV16	1" x 2420', 8" precision reel	1 x 8	20	2420	738	22.4	10.16	7
<b>706 Series—Premium 0.5 MIL Thin Coat (Backcoated)</b>								
706-151B11	.25" x 3600', 7" plastic reel	.25 x 7	18	3600	1097	17.3	7.82	20
706-173911	.25" x 7200', 10.5" NAB reel	.25 x 10.5	27	7200	2185	23.2	10.52	10
706-26RG11	.5" x 3600', 8" precision reel	.5 x 8	20	3600	1097	21.8	9.87	10
706-56RG11	1" x 3600', 8" precision reel	1 x 8	20	3600	1097	23.9	10.85	7
<b>706 Series—Tape For Assmann MS500 And MS600 Series Recorders</b>								
706-1ERGKS	.25" x 3600', 8.33" precision reel	.25 x 8.33	21	3600	1097	23.5	10.66	10
706-2ERGKS	.5" x 3600', 8.33" precision reel	.5 x 8.33	21	3600	1097	28.0	12.70	10
706-5ERGKS	1" x 3600', 8.33" precision reel	1 x 8.33	21	3600	1097	39.6	17.97	10