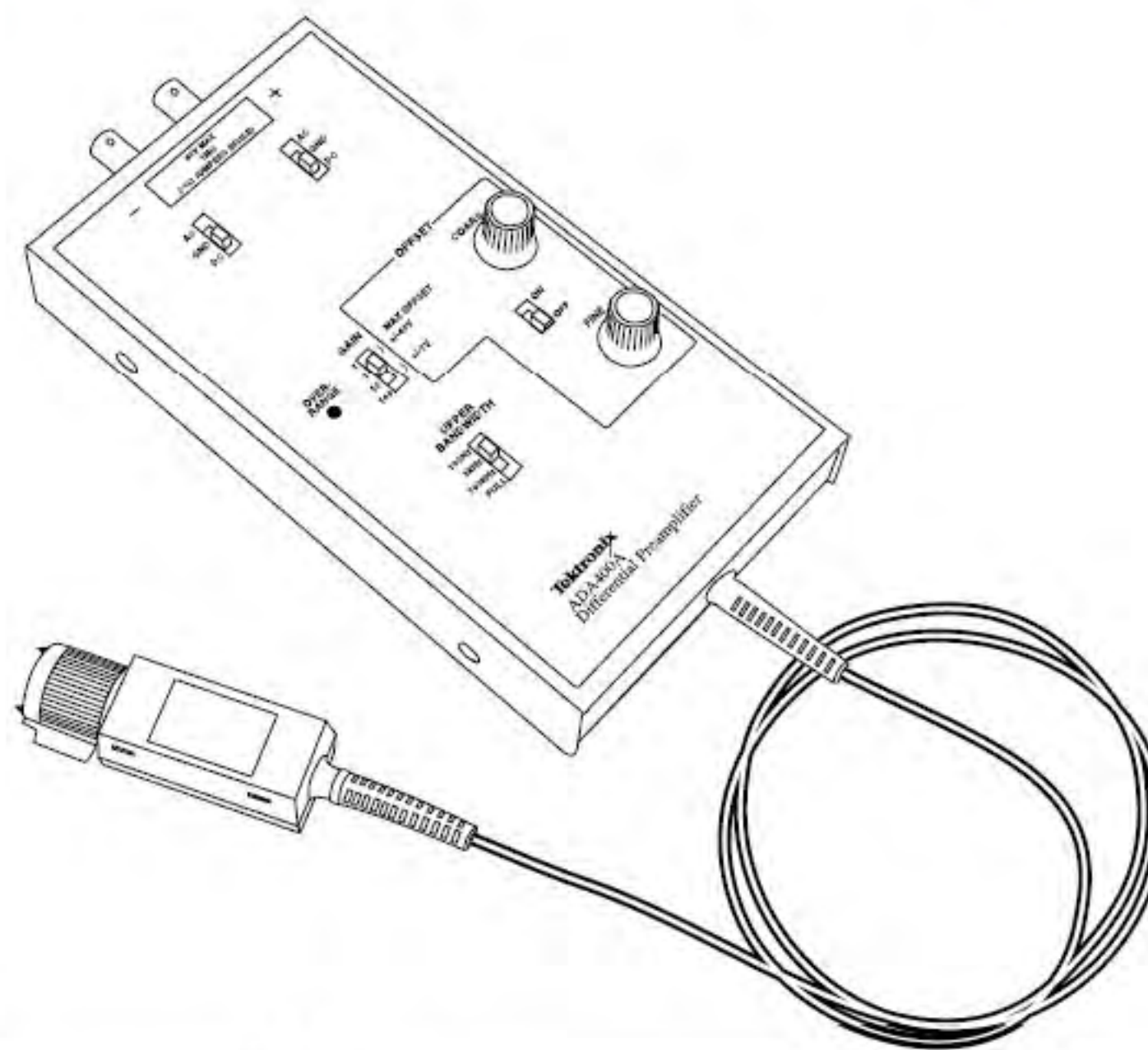




ADA400A Differential Preamplifier

- Provides Low Level Signal Acquisition Capability to DSOs
- 10 $\mu\text{V}/\text{div}$ Sensitivity
- Low Pass Filters for 100 Hz, 3 kHz, 100 kHz, and Full (1 MHz)
- CMRR: > 100 dB DC to 10 kHz
- Selectable Gain: 100, 10, 1, or 0.1
- Accurately Measures Signals As Small As 5 μV
- Ideal for Medical Research, Mechanical Testing, and Medical Equipment Design
- No Additional Power Supplies or Cables Required When Used with Oscilloscopes That Have a TekProbe™ BNC Connector Interface



Now low level differential measurements can be made on any Tek scope. The ADA400A pre-amplifier is perfect for low frequency differential measurements or low amplitude, single ended measurements with lots of noise.

The ADA400A preamplifier is designed for biophysical research and mechanical transducer, medical diagnostic, and imaging equipment design, as well as audio equipment design applications.

STANDARD SPECIFICATIONS

- Gain Settings**
0.1, 1, 10, 100
- Differential Signal Range (with DC Offset off)**

0.1	± 80 V
1	± 10 V
10	± 1 V
100	± 100 mV
- Common Mode Signal Range**

0.1, 1	± 40 V
10, 100	± 10 V
- Power Supply**
TekProbe Power (for non-TekProbe BNC connector scopes use 1103 Power Supply)
- Electrostatic Immunity (per IEC 801-2)**
> 8 kV
- DC Gain Accuracy**
± 2%

TYPICAL CHARACTERISTICS

- CMRR (at gain of 100)**
> 100 dB (100,000:1) at 10 kHz
> 90 dB (30,000:1) at 100 kHz
- Input R**
1 M Ω (each input)
(∞ Ω jumper selectable)
- Input C**
55 pF ± 20% (each input)
- Offset Range**

0.1, 1	± 40 V
10, 100	± 1 V
- Bandwidth**
DC to > 1 MHz
- Selectable Filters**
100 Hz, 3 kHz, 100 kHz
- Output Load Requirements**
1 M Ω

PHYSICAL CHARACTERISTICS

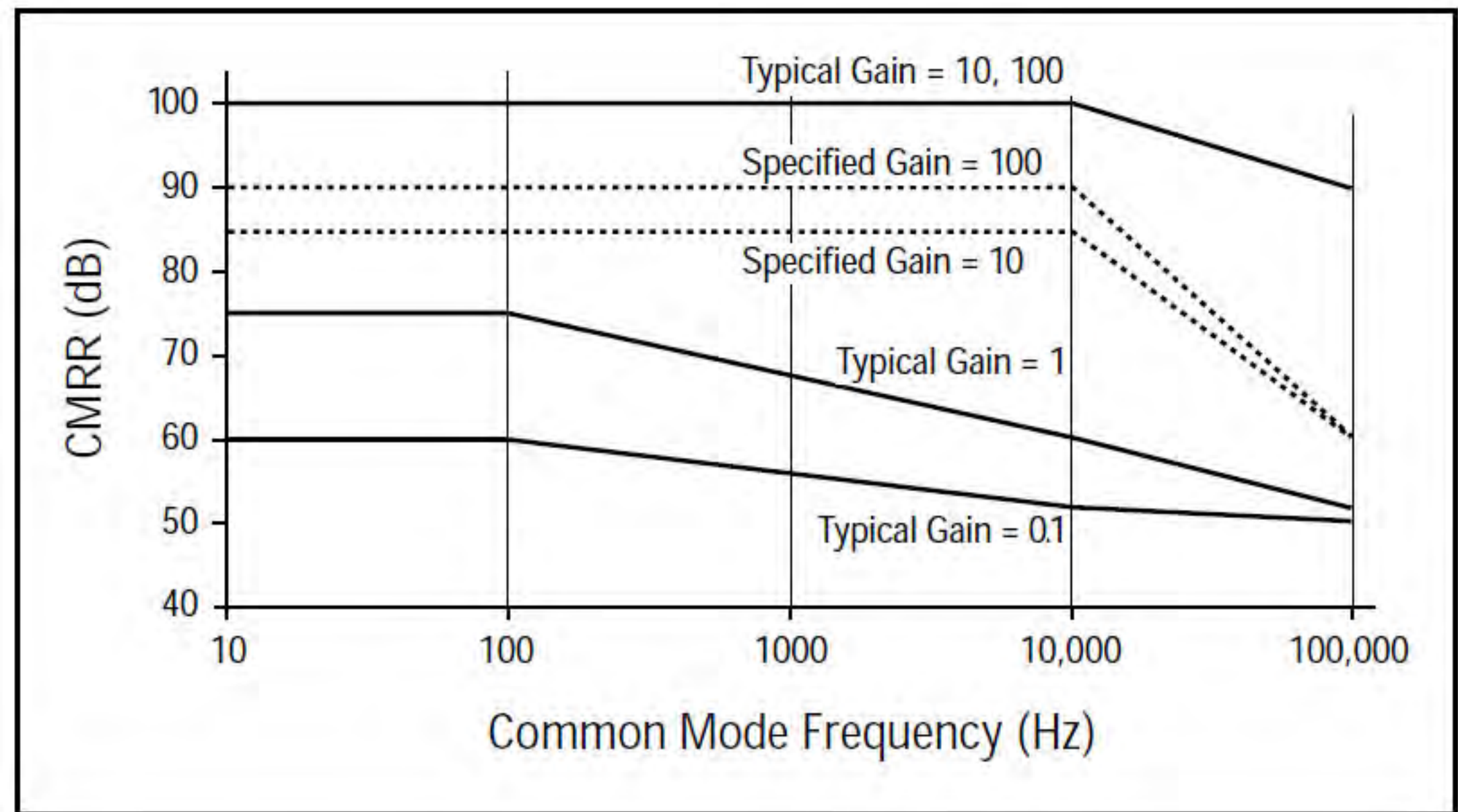
- Output Cable Length**
2 m (6.6 ft)

Weight	kg	lb
Net	1.49	3.3

Dimensions	cm	in
Height	3.6	1.4
Width	11.2	4.4
Length	20.3	8.0



ADA400A Differential Preamplifier



ORDERING INFORMATION

ADA400A DIFFERENTIAL PREAMPLIFIER

Includes: Two spare fuses
(1/16 A, 250 V), Instruction
Manual (070-9164-00)

RECOMMENDED OSCILLOSCOPES

TDS 400 Series
TDS 500 Series
TDS 600 Series
TDS 700 Series

RECOMMENDED ACCESSORIES

P6101B 1X, 15 MHz Passive
Voltage Probe

1103 TekProbe Power Supply
(for use with non-TekProbe
BNC Scopes)

RELATED PRODUCTS

P6046 100 MHz, Active
Differential Probe

P5200 25 MHz, 1300 V
Differential Probe

P6135A 10X, 500 V, 150 MHz
Differential Probe Pair



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