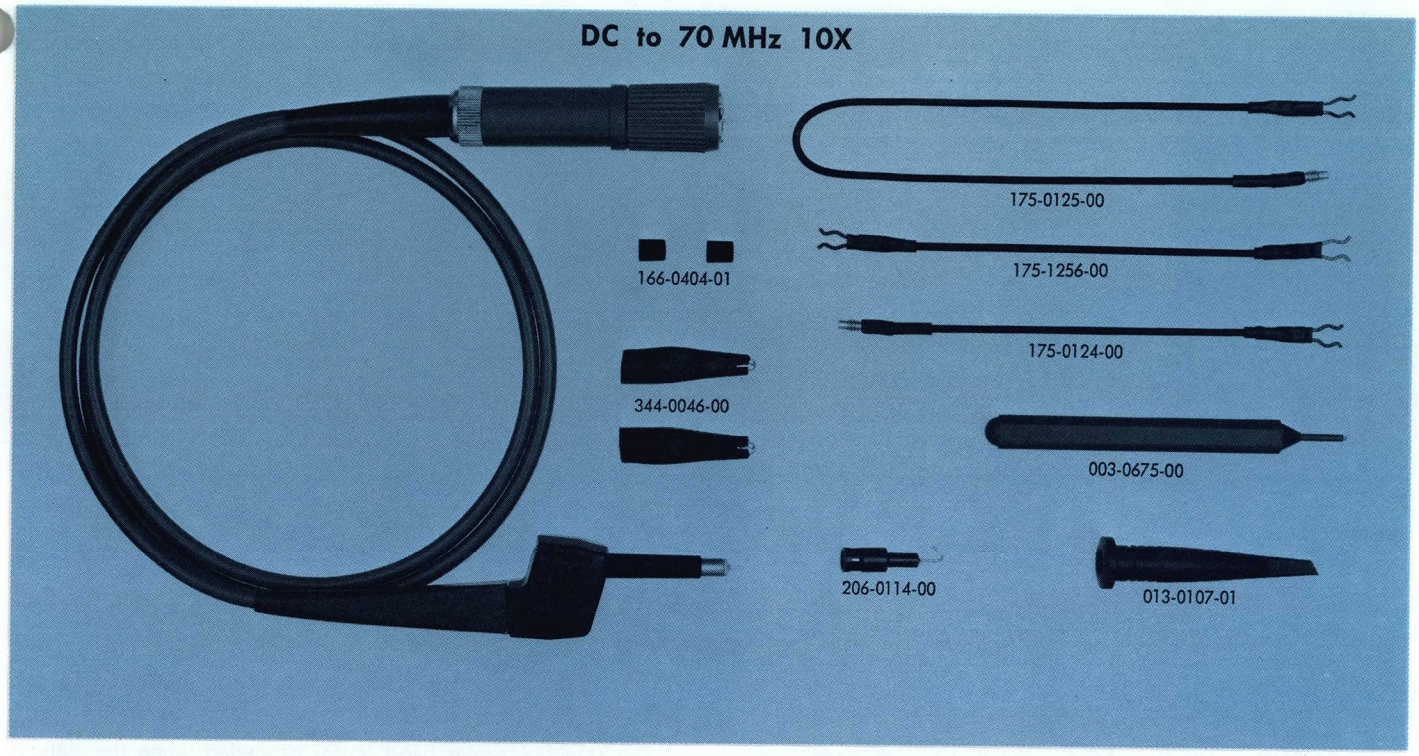
NEW

DC to 70 MHz 10X



The P6055 is a miniature low-capacitance, 10X Probe designed for use with Tektronix differential amplifiers having nominal input capacitances from 20 pF to 47 pF. The attenuation ratio is adjustable to 10X to compensate for differences in input resistance of the amplifier (the amplifier input resistance must be 1 MΩ ± 2%). A special locking type readout connector allows the probe to be used with instruments with or without readout capability.

When two P6055 Probes are used to drive the two inputs of a differential amplifier, the ability to change the attenuation ratio of one probe versus the other is helpful in maintaining the CMRR of the system. Another feature of this probe is the special cable used to prevent loss of CMRR, if the probes are moved.

ATTENUATION is adjustable to 10X.

INPUT RESISTANCE is 1 MΩ ±0.5%.

INPUT CAPACITANCE is approx 10 pF when used with an instrument having 20 pF input capacitance; 12.5 pF when used with an instrument having 47 pF input capacitance.

TYPICAL RISETIME of probe with 7A13 and 7704 Oscilloscopes is 5.4 ns.

VOLTAGE RATING is 500 V (DC + peak AC).*

CMRR is 20,000:1 from DC to 1 kHz derating to 100:1 at 20 MHz, measured at probe tip using probe pair with 7A13 or 1A5.

CABLE is 3.5 ft long, terminated in a BNC locking readout connector.

NET WEIGHT is approx 5 ounces.

P6055 PROBE, order 010-6055-01 . . . . . **$75**
Includes: input compensation adjusting tool (003-0675-00); retractable hook tip (013-0107-01); 5.5-inch ground lead (175-0124-00); 12.5-inch ground lead (175-0125-00); 6-inch probe-to-probe ground strap (175-1256-00); hook tip (206-0114-00); two minigator clips (344-0046-00); two insulating tubes (166-0404-01); instruction manual (070-1115-00).

*Peak-to-peak voltage derating is necessary for CW frequencies higher than 12 MHz. At 70 MHz, the maximum allowable peak-to-peak voltage is 100 V.

U.S. Sales Price FOB Beaverton, Oregon
Please refer to General Information page