

RF SIGNAL SAMPLERS

MODELS 4273, 4275



MODEL 4273-030

The Model 4273 (1.5 to 35 MHz, 5 kW max.) and Model 4275 (20 to 1000 MHz, 1 kW max.) are "stand-alone," wide-range THRULINE® RF coupling probes for spectrum analysis, RF signal observation on a scope, or frequency counting and control. They feature very low VSWR throughout a broad frequency and attenuation range. Insertion loss is a negligible 0.1 dB. Both Models produce an unrectified sample at the BNC port that is adjustable. Once adjusted, the setting can be locked in place. The main power line connectors are Bird QC type.

Power Ratings: Model 4273: 5 kW max;
Model 4275: 1 kW max.

Frequency Range: Model 4273: 1.5 – 35 MHz;
Model 4275: 20 – 1000 MHz

Impedance: 50 ohms nominal

Insertion VSWR: with N connectors
Model 4273: 1.07 max. Model 4275:
1.1 max. 2 to 512 MHz, 1.25 max.
512 to 1000 MHz.

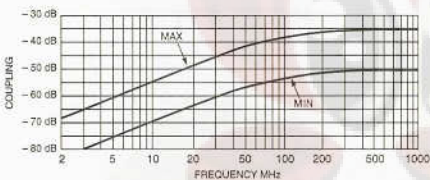
Insertion Loss: Model 4273: 0.1 dB max.
Model 4275: 0.1 dB max. 2 to 512 MHz,
0.2 dB max. 512 to 1000 MHz.

Coupling: Adjustable as shown within ± 3 dB
Ambient Temperature Range: -40°C to $+45^{\circ}\text{C}$

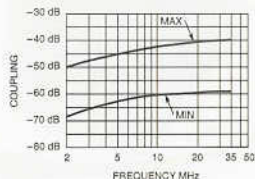
Connectors: QC type as specified
(no connectors required for 4275-100,
which is a sampler accessory for Bird

instruments already equipped with
QC connectors)
Finish: Bright silver plate
Nominal Size: $2\frac{5}{16}$ " L \times $2\frac{7}{8}$ " W \times $1\frac{1}{4}$ " D,
(71 mm \times 73 mm \times 32 mm)
Weight: 10 oz. (280 g)

MODEL/PART NO:		QC – CONNECTORS:
4273-020	4275-020	N: Male/Female
4273-025	4275-025	N: Female/Female
4273-030	4275-030	UHF: Male/Female
4273-035	4275-035	UHF: Female/Female
4273	4275	None*
4273-100	4275-100	None Required**



MODEL 4275



MODEL 4273

*Choose any two connectors from page 60.

**Accessory sampler for a Bird Instrument. Remove the instrument's QC connector, place on sampler and bolt both with the instrument.