



The world's most original microphone maker

COS-22 World's First Two-Channel Lavalier Microphone

- **Wide pick-up area "plant mic"**
- **Ultra-Miniature**
- **Natural response**
- **Original vertical diaphragms**
- **Unique dual omni-directional design**
- **Extended frequency range**
- **Surface noise isolation**
- **Moisture protection**

The Sanken COS-22 is the world's first dual capsule lavalier mic. In the tradition of the industry-wide popular Sanken COS-11s lavalier — copied but never matched in quality — the ultra-miniature COS-22 measures only 1.25" in length but boasts a truly unique concept: dual high-performance omni-mics in a tiny package. The two-channel, dual omni-directional COS-22 is designed for a variety of applications, including high quality unobtrusive area miking, stereo recording of music and environmental ambience, redundant capsule live broadcast (e.g. news anchors), and boundary-style miking for film and television. In addition, the COS-22 can be used as a noise cancellation directional microphone pair by



reversing the phase of one channel before summing the two outputs.

The COS-22 two-channel lavalier microphone is the result of a joint engineering effort by Sanken and NHK to create a new generation of microphones designed to meet today's highest audio standards while satisfying the concealment requirements of high-resolution film and video. Ideal for voice or instruments in live broadcasting, location recording and studio applications, the COS-22 utilizes the world's most advanced precision craftsmanship for the ultimate in sensitivity, natural sound and hidden capabilities.

The proprietary vertical diaphragm introduced by Sanken is an example of its innovative and unique product designs. Often simulated, Sanken products provide the optimum results and the highest quality available today.

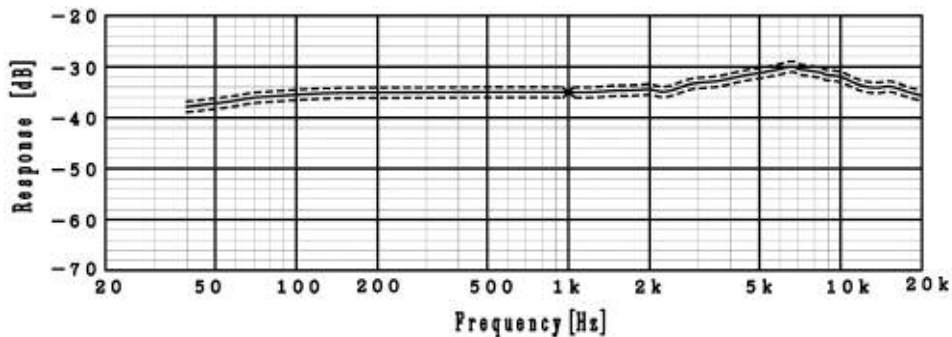
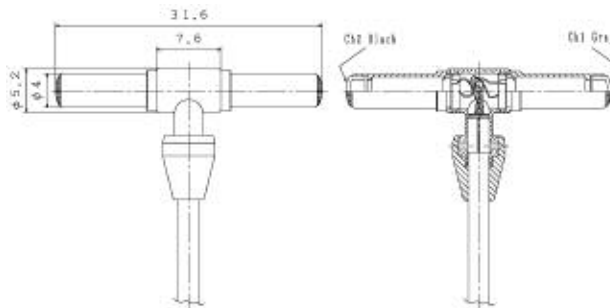
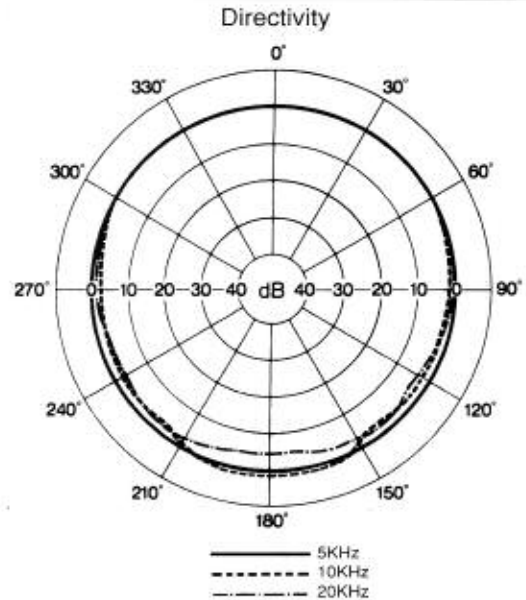
- Ultra-miniaturization plus high performance for concealment applications
- Complete redundancy from capsule to connections.
- High output and low noise with extremely smooth omni-directional pattern control over a wide frequency range
- Exclusive PPS (Poly-phenylene-sulfide) diaphragm provides dramatically higher humidity and temperature stability, outperforming all other condenser lavaliers
- Vertical diaphragm placement protects against moisture.
- Built-in 3-layer windscreen minimizes pops, sibilance and wind noise
- Holder clip provides critical distance between microphone and clothing for avoidance of mechanical/surface noise



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COS-22 Two-Channel Omni-Capsule Lavalier Microphone

Transducer Type	Self polarized electret condenser
Directivity	Omni-directional
Sensitivity	-35dB +-2dB/Pa
Sensitivity Tolerance	Less than 1dB(1ch:2ch)
Frequency Response	See following graph
Output Impedance	180 Ohms
Equivalent Noise Level	Less than 28dBA
Maximum Input SPL	137dB SPL (1% THD)
Powering	48V +-4V DC phantom
Current Consumption	Less than 2mA/1ch
Output connector	XLR-5M
Pin Layout	1-Ground 2-Ch1 hot 3-Ch1 cold 4-Ch2 hot 5-Ch2 cold
Ch indication:	1ch: grey // 2ch black
Weight	20g (including cable)
Cable Length	3m
Standard Accessory	Holder clip [model: HC-22]



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