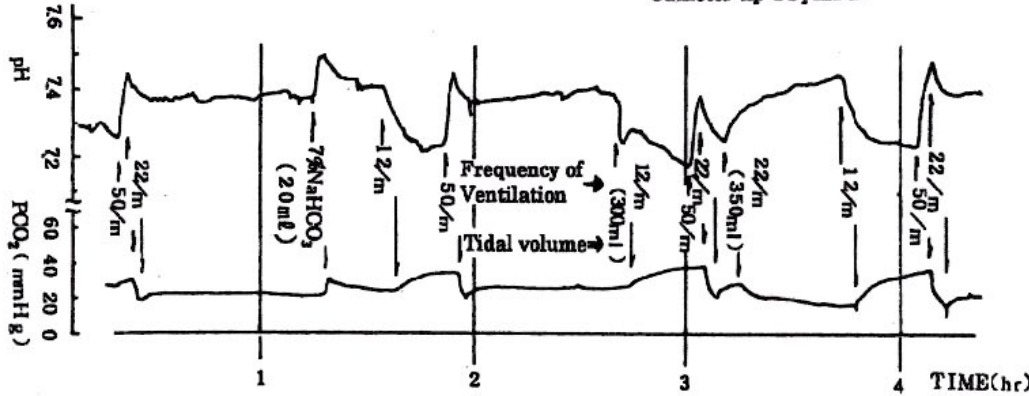
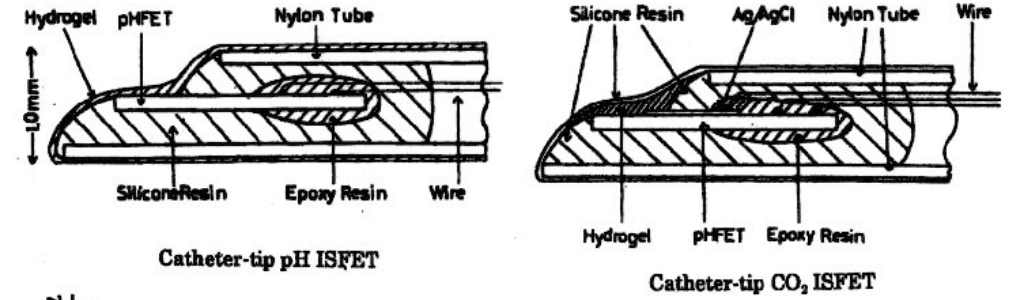
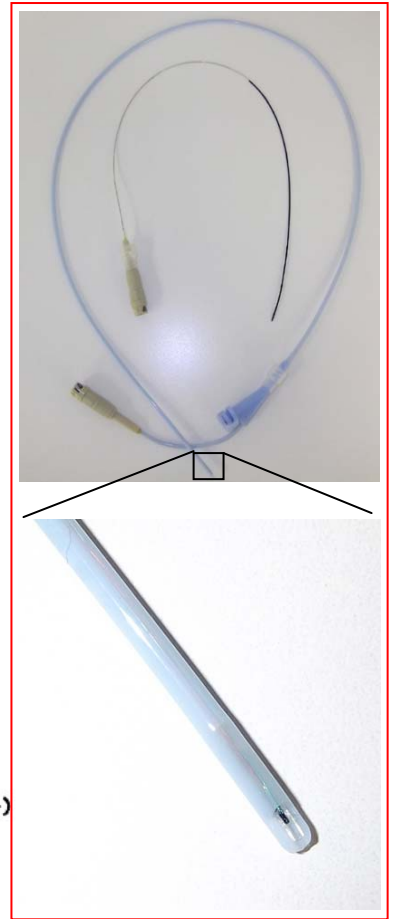


# Catheter pH, CO<sub>2</sub> Sensor

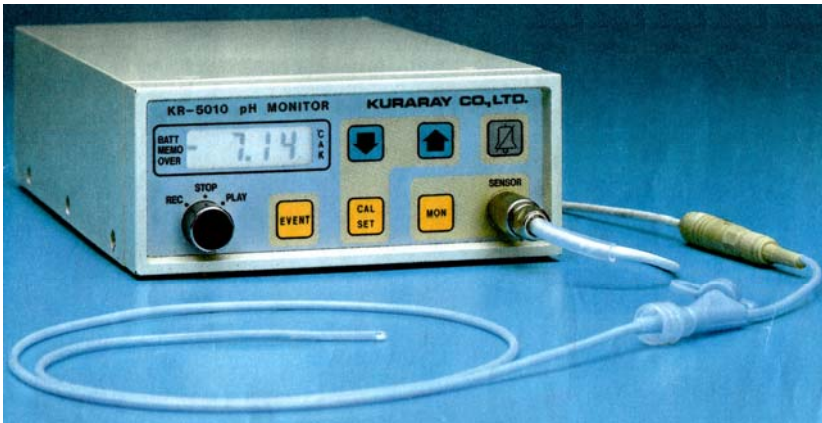


Continuous pH and CO<sub>2</sub> measurement of sed arterial blood of mongrel dog by the catheter-tip pH ISFET and catheter-tip CO<sub>2</sub> ISFET.

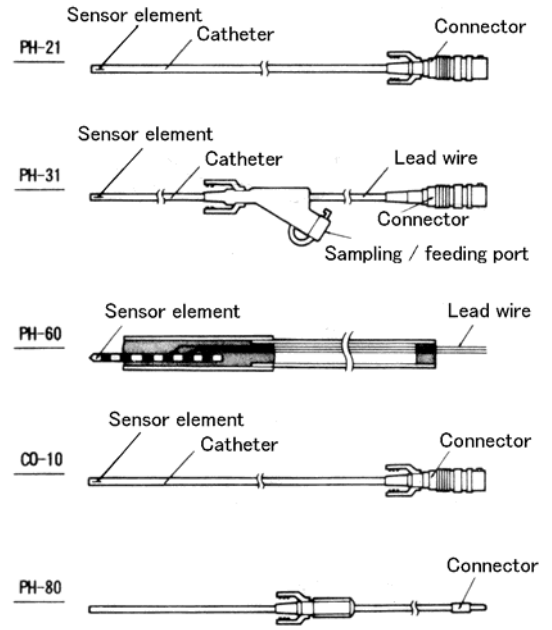
Catheter pH, CO<sub>2</sub> sensor (Kurare - Tohoku Univ.)



Reference : K.Shimada, M.Yano, K.Shibatani, Y.Komoto, M.Esashi and T.Matsuo, Application of Catheter-tip I.S.F.E.T. for Continuous in Vivo Measurement, Med.& Biol.Eng. & Comput., 18 (1980) pp.741-745



Catheter pH, CO<sub>2</sub> sensor commercialized in 1980 (Kurare, Nohon Kohden)



**NIHON KOHDEN**

Type	Application	No	Catheter (mm)		Monitor	Note
			Length	Diameter		
PH-21	pH measurement in muscle etc	PH-2135	350	1.1	KR-5000	With reference
PH-31	pH measurement in esophagus and stomach	PH-3110 ( Adult )	1000	2.4	KR-5000	With reference and feed port
		PH-3165 ( Infant )	650	2.4	KR-5010	
PH-60	pH measurement in mouth	PH-6010	100	1.0	KR-5000	Without reference
PH-80	Reference electrode for PH-60	PH-8005	50	1.1	KR-5000	
CO-10	PCO <sub>2</sub> measurement in muscle etc	CO-1035	350	0.9	KR-5000	With reference