

Pressure transducer with Wi-Fi communication

Taiwan Silicon Microelectronics Corporation

<http://www.tsmccomp.com>

address : 2F.-1, No.288-3, Hsin-Ya Rd.,
Kaohsiung City 806, Taiwan (R.O.C.)

Tel: 886-7-861-9786

Email: yp_hsu@tsmccomp.com.tw

Email: harpertw@tsmccomp.com.tw

Model name: P5X WiFi series

Specification

Item	Description
Pressure measurement	Accuracy: +/-0.5%, +/-1%
	Range: customized. -1bar ~350bar
	Port: customized
	Analog (for transducer) and digital (WiFi) output
Pressure unit selection.	Pressure units: customized. Psi, MPa, KPa, Bar
Light indicated	Connection light and cloud light
Wi-Fi communication	802.11 b/g/n
	AP(installation/operation), STA(operation)
	Websocket(LAN), MQTT/ MQTTS(LAN/internet)
	WiFi connection light. Flash: try connecting. Bright: connected. Dark: connection lost.
JSON format command/message	Typical command class: <u>Device login</u> : authority management <u>Device hello</u> : device searching <u>Parameters accessing</u> : parameters reading and writing. Measurement polling <u>Active measurement message</u> : periodic message or accident event/alarm <u>Password management</u> <u>Text file accessing</u> : for certification file updating
Hex ASCII format command/message(option)	For less payload. For fast command/message decoding.
Terminal signal	Power +(brown), power-(blue)
Cable length	To be defined
Power	DC +10V~+26V

Power consumption	Normal operation: 1W 9V, ~100mA 12V, ~80mA
Operation temperature	-10°C~60°C
Storage temperature	-20°C~80°C



Front view