Futaba In-mold measurement mold marshaling system
Injection Molding Monitoring System MVS08
Instruction Manual for Connection Cable

Thank you very much for purchasing the products of Futaba Corporation. Please read this instruction manual thoroughly and use it for a long time.

■ Handling Precautions

⚠ Warning	Be sure to unplug the power cable from the outlet when installing or connecting the cable. Failure to do so may cause an electric shock or malfunction.

⚠ Warning	Do not use a cable that is broken or damaged in the cable coating. Failure to do so may cause a fire, electric shock, damage to the

⚠ Caution	Do not splash water on the sensors, amplifiers, junction box, or connection cables. Failure to do so may result in electric shock or damage to the equipment.

1. SPECIFICATIONS LIST < Product code: WCI0820-MPS08   N-MVS08>

Number of points measured	Up to 8 points
Compatible device	Pressure measuring amplifier: MPS08
Cable length	2m
Environmental resistance Ambient temperature	0～+40℃
Weight	Approx. 310g

2. Connection list... Refer also to the system configuration diagram on the back

MVS08	Connection cable		MPS08
Display			**Display**
	MVS08 side	**MPS08 side**	
CH1～CH8	CH1 ※ Important	D-sub25pin connector plug	D/A Output sockets
CH1～CH8	CH2		
CH1～CH8	CH3		
CH1～CH8	CH4		
CH1～CH8	CH5	D-sub9pin connector socket	I/O cabling WCI005 D-sub 9 pin connector Plug
CH1～CH8	CH6		
CH1～CH8	CH7		
CH1～CH8			
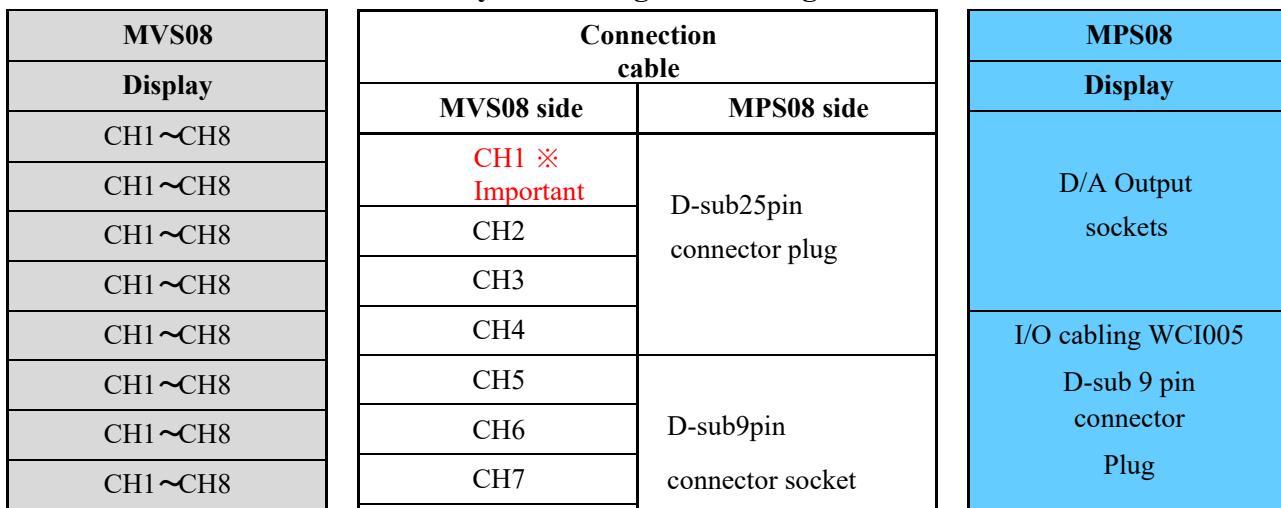
※Be sure to connect the cable's CH1. Otherwise, a trigger signal will not be input and measurement will not be possible.

3. Connecting to MVS08 Unit

Plug the connecting cable into the connector on MVS08. There is a rotation-stop. Screw the plug to the right or left to find the fitting position, and then insert it all the way in.

FUTABA CORPORATION   http://www.futaba.co.jp/precision/mold_marshall/index

System configuration diagram for MVS08 injection molding monitoring system and MPS08 pressure measuring amplifier set

Available separately	Included with MPS 08S	Included with MVS 08A-S

Pressure measuring amplifier set
Product code: MPS08S N +W

D/A Output   CH 5 ~ CH 8 - Sensor - CH 1 ~ CH 4
B - Extension - A   Ethernet

Signal input/output cable (0.5m)
This cable is used to transmit triggers, alarms, alarm cancellation, and other signals to MVS08.

Ground cable (commercially available)

Junction cable (3m)

UJP04

Junction box

Pressure sensors- ejector pin type (SSE series)
Pressure sensors- button type (SSB series)

Product code: Refer to the catalog

AC adapter (AC100~240V)

MPS08 pressure measuring amplifier connector cable (2m)
Product code: WCI0820-MPS08 N-MVS08

Acquires eight voltage input channels of the MPS08 and outputs MVS08 trigger input signals to the MPS08.
※ Connected to the number of terminals on the MVS08 corresponding to number of measurement points required.

CH 1 CH 2 CH 3 CH 4 CH 5 CH 6 CH 7 CH 8
Voltage Input

MVS08
MOLD MARSHALLING SYSTEM
PROCESS MONITOR

MENU SET

Injection molding monitoring system
Product code: MVS08A-S

Extension
DC24V   A   B   I/O

Measurement Software

※ Measurement PC not included.

USB drive (commercially available)

LAN cable (2m)

Ground cable (commercially available)

AC adapter (AC100~240V)

Amplifier interconnection cable (0.5m)
Product code: WCM0005 N-MVS08

This is required to connect multiple MVS08A" units

Signal input/output (3m)
(with Y terminals,

Injection molding machine