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: WCI0420-MPV04   N-MVS08>

Number of points measured	Up to 4 points
Compatible device	Pressure measuring amplifier: MPV04
Cable length	2m
Environmental resistance Ambient temperature	0〜+40℃
Weight	Approx. 240g

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

MVS08 Display		Connection cable		MPV04 Display
		MVS08 side	**MPV04 side**	Triger IN
CH1〜CH8		CH1 ※ Important	TRG IN	Triger GND
			TRG GND	V-Out CH1
CH1〜CH8		CH2	CH1	V-Out CH2
			CH2	V-Out CH3
CH1〜CH8		CH3	CH3	V-Out CH4
CH1〜CH8			CH4	V-Out GND

※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

Available separately

Included with MPV 04 S

Included with MVS 08A-S

Pressure measuring amplifier set (analog voltage output type)

Product code: MPV04S

MPV04
MOLD MARSHALLING SYSTEM ®
PRESSURE MEASUREMENT

Futaba

Trigger — IN
GND
CH1
CH2
V-Out — CH3
CH4
GND

Setting

SET

Sensor
DC 12V CH 1 CH 2 CH 3 CH 4

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

Product code: Refer to the catalog

Ground cable (commercially available)

AC adapter (AC100~240V)

MPV04 pressure measuring amplifier connector cable (2m)

Product code: WCI0420-MPV04 N-MVS08

Acquire four voltage input channels of the MPV04 and outputs MVS08 trigger input signals to the MPV04.
※ Connected to the number of terminals on the MVS08 corresponding to number of measurement points required.

CH1 CH2 CH3 CH4 CH5 CH6 CH7 CH8
Voltage Input

Futaba

MVS08
MOLD MARSHALLING SYSTEM
PROCESS MONITOR

MENU ↑ SET
← ↓ →

Extension
DC24V   A   B   I/O

Injection molding monitoring system
Product code: MVS08A-S

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 cable (3m)
(with Y terminals, x25)

Injection molding machine