

# Cooling Water Inspection Device



## Use

This device is used to inspect and confirm cooling water channel in die.

- To confirm cooling water flow rate (if it satisfy the flow rate pre-set.)
- To check if cooling water is not leaked.

Please use this device to confirm water flow rate in die when die is produced or when a die receives maintenance work.

## Characteristics

- Measures flow rate in each cooling channel
- Displayed in digital in  $\ell / \text{min}$
- Inspect water leakage by pressurizing whole the cooling channel
- The device has built-in filter to remove fine dust which may be produced at die making.
- Air purge is provided after inspection so that the water will not remain in the water channel.
- Water with anti-corrosive agent can be used,
- We have the devices for High-pressure, Middle-pressure and Low-pressure.

## Measurement • Inspection Items

Measuring flow rate in each cooling channel.

Measurement : indicated in  $\ell / \text{min}$ .

Measuring interval is 1 second. Easy to read fluctuation in numerical value.

### Leakage Test

Cooling water circuit is closed.

Water is pressurized and check the pressure within the set-time.

If pressure value is changed, it is regarded as water channel has some problem and there may be some leakage.

## ● Specification

Model	CC-20-5	CC-11-20	CC-02-45
Pressure type	for High Pressure Water	for Middle Pressure Water	for Low Pressure Water
Max. water pressure	2.0MPa	1.1MPa	0.2MPa
Max. water flow	5 l /min	20 l /min	45 l /min
Measuring water flow rate	5 l /min	20 l /min	15 l /min
Leakage test	Provided		
Air purge	Provided		
Anti-corrosive test	Possible		
Max. Water Flow Rate	30 l		
Supply air	0.4~0.8MPa		
Power	AC 200V	AC 200V	AC 100V
Power Consumption	2.2kW	1.5kW	0.4kW
Frequency	Designated frequency		
Dimension (mm)	D500xW500XH910(Main body)		
Mass(dry)	60kg		
Manifold	Rc1/8 : 2 cooling systems Rc1/4 : 2 cooling systems or $\phi$ 4 : 1 cooling system $\phi$ 6 : 1 cooling system $\phi$ 8 : 1 cooling system $\phi$ 10 : 1 cooling system		Inlet : Rc3/4 : 1 cooling system Measuring side : Rc1/4 : 2 cooling systems

## ● Example of order code designation

Model

CC-11-20