

multi-function **FLOW METER** FCO200



**The versatile solution to
Production Line Flow Testing**

- Multiple test programmes with full sequencing
- Automatic pressure and temperature compensation
- Digital display with user selectable units
- Fast, accurate and reliable operation
- Clear 'PASS', 'FAIL' test indicators
- 2 year warranty on all Furness Controls products

TEST 01... 4 BAR
TEST 01... 4 BAR

20MB... 300L/HR
20MB... 300L/HR

PASS
PASS
STABILISATION
STABILISATION

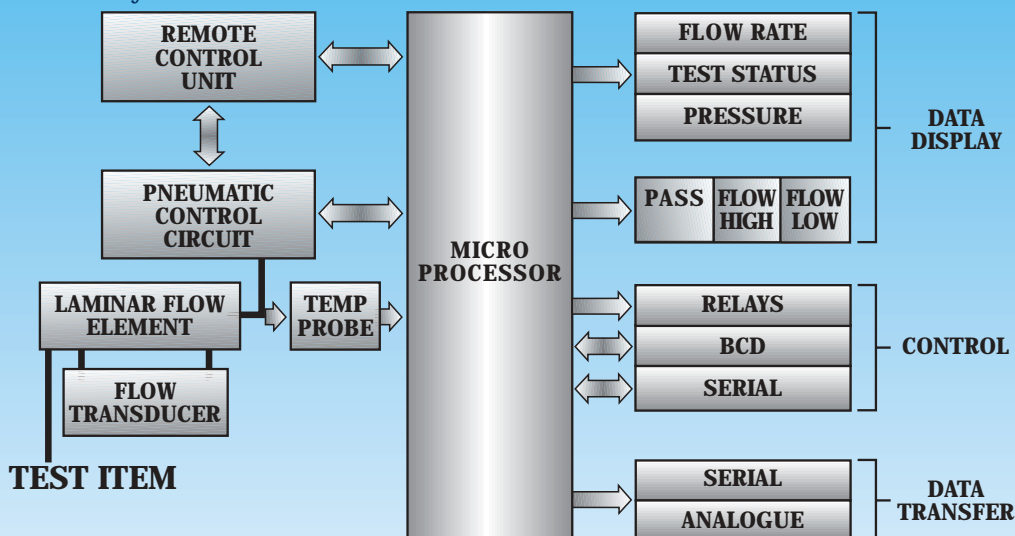
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150MB... 50CC/HR
150MB... 50CC/HR

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The FCO200 is a high performance instrument for the rapid and reliable production line testing of all flow critical components and assemblies

FCO200 System Schematic



Features and Performance

• OPERATES AS A STAND ALONE UNIT OR CAN BE INCORPORATED INTO AN AUTOMATED TEST SYSTEM	• COMMUNICATIONS I/Os - RELAYS, SERIAL, BCD, ANALOGUE
• 24 TEST METHOD STORAGE WITH PROGRAMMING OF UP TO 9 SEQUENCES OF 16 TESTS	• CONNECTION TO PRINTER OR PC FOR RESULTS HARDCOPY OR DATA ARCHIVING
• AUTOMATIC TEST RESULT VIA 'PASS', 'FAIL' INDICATORS	• BATTERY BACKUP FOR RAM PROGRAMME MEMORY
• USER SELECTABLE UNITS FOR PRESSURE (MBAR, PSI) AND FLOW (L/MIN, L/HR, M ³ /HR, FT ³ /MIN, FT ³ /HR)	• REMOTE CONTROL WITH REPEAT OF INSTRUMENT LAMPS

Short-form Specification - (full technical specification is available)

FLOW RANGES	10 OPTIONS ARE AVAILABLE TO SUIT APPLICATION. THESE RANGE FROM 0-20 CC/MIN TO 0 - 5000 L/MIN.
TEST PRESSURE RANGES	VACUUM AND PRESSURE OPTIONS ARE AVAILABLE FROM -300 MBAR VACUUM TO 4 BAR PRESSURE.
REPEATABILITY	BETTER THAN 1% FSD.
ZERO	AUTOMATIC.
ACCURACY OF CALIBRATION	BETTER THAN 1% OF READING.
COMPENSATION RANGE	GAS TEMPERATURE 0 TO 50°C.
DIMENSIONS	483 x 276 x 122MM (WDH) - RACK MOUNT CONFIGURATION.
WEIGHT	APPROX 14KG.
OPTIONS INCLUDE	BENCHTOP CASE, STANDARD OR ENHANCED REMOTE CONTROL, AUTOMATIC PRESSURE REGULATION.

Calibration Service

Calibration is available through Furness Controls International Service & Support Network. Traceable to National Standards. UKAS calibration available upon request.

Applications Support

For comprehensive advice on your flow measurement application call Furness Controls' team of specialist engineers via your local Sales Office.

Furness Controls Limited

**Beeching Road, Bexhill,
East Sussex TN39 3LJ England**

Telephone: +44 1424 730316

Fax: +44 1424 730317

Email: sales@furness-controls.com

Web Site: <http://www.furness-controls.com>



Furness Controls has a UKAS certified laboratory which offers pressure calibration from 0 to 40 kPa and Flow calibration from 0.1 ml/min to 2000 litres/min

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