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Order:

Type	Version
5725	Standard : A
	Analog output and 2 relays : D

Environmental Conditions

Operating temperature.....	-20°C to +60°C
Storage temperature.....	-40°C to +85°C
Calibration temperature.....	20...28°C
Relative humidity.....	< 95% RH (non-cond.)
Protection degree.....	IP20
Protection degree (mounted in panel).....	IP65 / Type 4X
Installation in.....	Pollution degree 2 & meas. / overvoltage cat. II

Mechanical specifications

Dimensions (HxWxD).....	48 x 96 x 120 mm
Cut out dimensions.....	44.5 x 91.5 mm
Weight approx.....	230 g
Wire size, pin 11-12 & 41-44, max.....	1 x 1.5 mm ² / AWG 30...16 stranded wire
Wire size, others, max.....	1 x 2.5 mm ² / AWG 30...12 stranded wire
Terminal connection.....	Spring-cage
Vibration.....	IEC 60068-2-6
2...13.2 Hz.....	±1 mm
13.2...100 Hz.....	±0.7 g

Common specifications**Supply**

Supply voltage, universal.....	21.6...253 VAC, 50...60 Hz or 19.2...300 VDC
Max. required power.....	< 2.8 W (5725A)
Max. required power.....	< 3.6 W (5725D)

Isolation voltage

Isolation voltage, test / working.....	2.3 kVAC / 250 VAC
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Response time

Response time (0...90%, 100...10%).....	< 1 period + 100 ms
Programming.....	Front-programmable
Signal / noise ratio.....	> 60 dB
Accuracy.....	Better than 0.05% of selected range
EMC immunity influence.....	< ±0.5% of span
Extended EMC immunity: NAMUR NE21, A criterion, burst.....	< ±1% of span

Observed authority requirements

EMC.....	2014/30/EU
LVD.....	2014/35/EU
RoHS.....	2011/65/EU
EAC.....	TR-CU 020/2011
EAC LVD.....	TR-CU 004/2011

Input specifications

Frequency range, f/I conversion function.....	0.001 Hz to 50 kHz
Low cut-off frequency.....	0.0009 Hz (default value)
Max. frequency, with input filter ON.....	50 Hz
Time range, period time function.....	999.9 s to 20 µs
Low cut off period time (time-out).....	1111 s
Min. period time with input filter ON.....	20 ms
Input types.....	NAMUR acc. to EN 60947-5-6
Input types.....	Tacho
Input types.....	NPN / PNP
Input types.....	TTL
Input types.....	S0 acc. to DIN 43864
Input types.....	Special voltage
Input types.....	Special current

Output specifications**Display**

Display readout.....	-1999...9999 (4 digits)
Decimal point.....	Programmable
Digit height.....	13.8 mm
Display updating.....	2.2 times / s
Display response time, programmable.....	0.0...60.0 s
Input outside input range is indicated by.....	Explanatory text

Current output

Programmable signal ranges.....	0...20/4...20/20...0/20...4 mA
Load (@ current output).....	≤ 800 Ω
Load stability.....	≤ 0.01% of span / 100 Ω
Current limit.....	≤ 28 mA
Sensor error indication.....	0 / 3.5 / 23 mA / none
Output limitation, on 4...20 and 20...4 mA signals.....	3.8...20.5 mA
Output limitation, on 0...20 and 20...0 mA signals.....	0...20.5 mA

Relay output

Relay functions.....	Setpoint
Hysteresis, in % / display counts.....	0...100% / 0...9999
ON and OFF delay.....	0...3600 s
Power On delay.....	0...60 s
Sensor error reaction.....	Break / Make / Hold
Max. voltage.....	250 VAC / VDC
Max. current.....	2 A
Max. AC power.....	500 VA
Max. DC current, resistive load > 30 VDC.....	See manual for details

Approvals

c UL us, UL 508.....	E248256
EU RO MR Type Approval.....	MRA000000Z

For pricing or any further information, please contact Omni Instruments Ltd.