

Scale

**SL220**

Head Cable

**PL20B**



The SL220 Linear Scale transforms Sony's Digiruler®, into an easy to install, long travel, precision linear scale system.

- Designed to operate in the harshest metalworking environments (IP67)
- Same coefficient of expansion as machine tools for high accuracy positioning
- Non-contact readerhead design provides long life and excellent repeatability
- Easy to install
- Selectable display resolutions from 0.0005" to 0.005"
- Measuring lengths available to fit most machine tools

# SL220

## Specifications

Accuracy (at 20°C/68°F)	± (25 + 5L/1000) μm
Coefficient of expansion	(11.1 ± 1) x 10 <sup>-6</sup> /°C (Approx.)
Operating/Storage temperature	-5°C to + 45°C/-10°C to 50°C (23°F to 113°F/14°F to 122°F)

**SL220 scales are available in the following measuring lengths:** Overall length = measuring length + (4.7") 120mm

Model	Measuring Length inch (mm)	Maximum Travel	Overall Length	Installation Holes	Mounting Hole C/L dim.
SL220-72	72" 1830mm	73.5"	76.0	10	10"
SL220-78	78" 1980mm	79.5"	82.0	11	8"
SL220-86	86" 2180mm	87.5"	90.0	12	8"
SL220-94	94" 2390mm	95.5"	98.0	13	8"
SL220-102	102" 2590mm	103.5"	106.0	14	8"
SL220-110	110" 2790mm	111.5"	114.0	15	8"
SL220-120	120" 3050mm	121.5"	124.0	16	10"
SL220-126	126" 3200mm	127.5"	130.0	17	8"
SL220-134	134" 3400mm	135.5"	138.0	18	8"
SL220-142	142" 3610mm	143.5"	146.0	19	8"
SL220-150	150" 3810mm	151.5"	154.0	20	8"

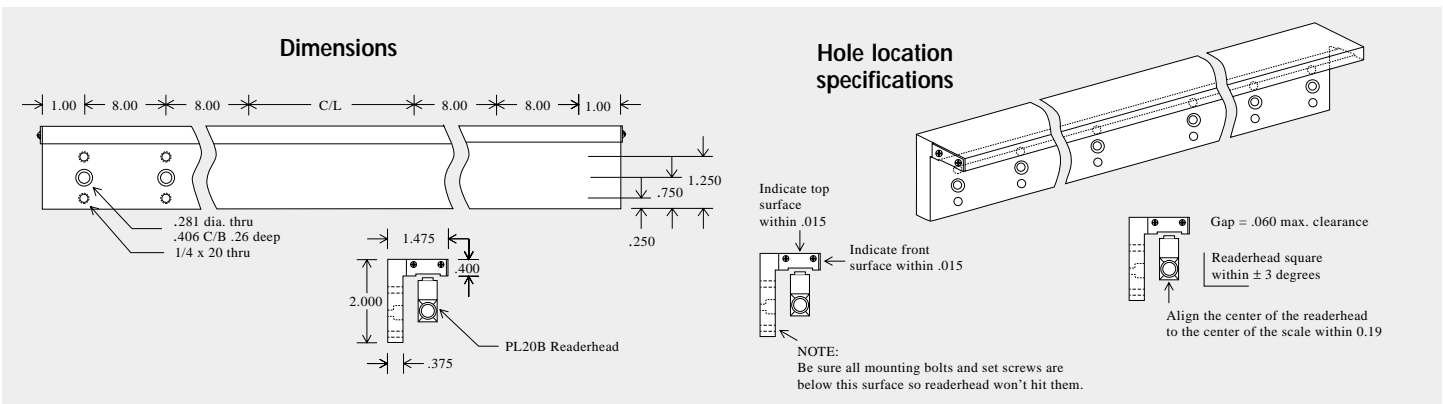
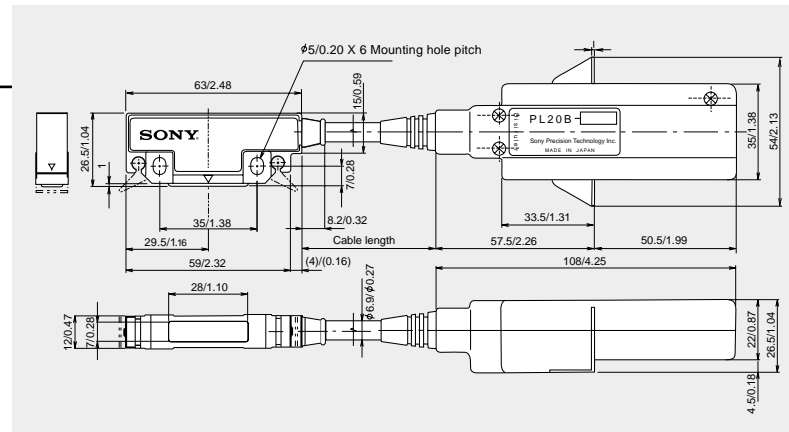
Note: longer travels available – contact your Sony distributor for details.

# PL20B\*

## Specifications

Model PL20B	-3C	-5C	-AC	-BC
Head Cable Head	3m	5m	10m	15m
Scale-head clearance	1.5mm/0.059" or less, without contact			
Protective design	Equivalent to IP67			
Compatible display	LH51-2, LH52-3, LH61, LY51, and LY52			
Display resolution	0.0005", 0.001", 0.002", or 0.005"			

\* PL 20B must be ordered separately.



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